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THE

CALENDAR

OF THE

University of Toronto

FACULTY OF MEDICINE

1919-1920

UNIVERSITY OF TORONTO PRESS

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FACULTY OF MEDICINE

1919-1920

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TABLE OF CONTENTS.

	PAGE
Calendar	6
Administrative Officers	8
Faculty	9
Sessional appointments	15
Council of the Faculty	26
Officers and Members of the Faculty since its origin	28
Special Announcement *re* Six Years Course	33
Information for Students	34
Bachelor of Medicine	34
Entrance	34
Registration	34
Announcement regarding Six Years Course	35
Attendance	35
Notice for Fifth Year Students	36
Fees for Instruction	36
Students' Council Fee	37
Instruction	37
Subjects of Instruction	39
Summer Courses in Clinical Subjects	40
Science Courses for Students in Medicine	40
B.Sc. Course	41
Examinations	42
Admission to Examinations	43
Subjects of the Final Examinations	44
Equivalent Honour Courses and Examinations	46
Equivalent Examinations	47
Honour Standing	48
Admission Ad Eundem Statum	48
Doctor of Medicine	49
Admission Ad Eundem Gradum	49
Scholarships and Fellowships	49
Residence for Men	51
Diploma of Public Health	53
Doctor of Dental Surgery	54
Courses of Lectures:	
Chemistry	58
Physics	59
Relation of Science to Civilization	61
Expression	61
Biology	61
Physiology	63
Biochemistry	64
Anatomy	65
Pharmacy and Pharmacology: Materia Medica	66
Medicine	67
Paediatrics	69
Therapeutics	70

Courses of Lectures—*Continued.* PAGE
Surgery ... 71
Pathology ... 74
Pathological Chemistry ... 76
Psychiatry ... 77
Medical Jurisprudence ... 77
Toxicology ... 78
Hygiene ... 78
Connaught Laboratories ... 78
Obstetrics and Gynaecology ... 79
Ophthalmology and Otology ... 81
Oto-Laryngology ... 82
Dentistry ... 82
Time-Tables
First Year ... 83
Second Year ... 84
Third Year ... 85
Fourth Year ... 87
Fifth Year ... 91
Medical Building ... 94
The Library ... 94
Pathological Building ... 95
Royal Ontario Museum ... 96
Toronto General Hospital ... 96
Clinical Training ... 97
Clinical Clerks and Surgical Dressers ... 98
Resident Assistants in the Hospital ... 98
Hospital for Sick Children ... 98
St. Michael's Hospital ... 99
Toronto Western Hospital ... 99
General Information for Students ... 100
Regulations Relating to Students ... 100
Medical Society ... 101
Medical Y.M.C.A. ... 102
Alpha Omega Alpha Medical Society ... 102
Regulations for Licence to Practise ... 103
The Faculty of Medicine and the War ... 104
Medallists ... 133
Graduating Class, April, July and December, 1918 ... 135
Registered Students, 1918-1919:
First Year ... 137
Second Year ... 139
Third Year ... 141
Fourth Year ... 143
Fifth Year ... 144
Dental Students ... 145
Summary—Number of Students ... 146

1919 CALENDAR 1919

JANUARY

Sun.	. .	5	12	19	26
Mon.	. .	6	13	20	27
Tues.	. .	7	14	21	28
Wed.	. 1	8	15	22	29
Thur.	. 2	9	16	23	30
Fri.	. 3	10	17	24	31
Sat.	. 4	11	18	25	..

FEBRUARY

Sun.	. 2	9	16	23	..
Mon.	. 3	10	17	24	..
Tues.	. 4	11	18	25	..
Wed.	. 5	12	19	26	..
Thur.	. 6	13	20	27	..
Fri.	. 7	14	21	28	..
Sat.	1	8	15	22	.. ..

MARCH

Sun.	. 2	9	16	23	30
Mon.	. 3	10	17	24	31
Tues.	. 4	11	18	25	..
Wed.	. 5	12	19	26	..
Thur.	. 6	13	20	27	..
Fri.	. 7	14	21	28	..
Sat.	1	8	15	22	29 ..

APRIL

Sun.	. .	6	13	20	27
Mon.	. .	7	14	21	28
Tues.	. 1	8	15	22	29
Wed.	. 2	9	16	23	30
Thur.	. 3	10	17	24	..
Fri.	. 4	11	18	25	..
Sat.	. 5	12	19	26	..

MAY

Sun.	. .	4	11	18	25
Mon.	. .	5	12	19	26
Tues.	. 6	13	20	27	..
Wed.	. .	7	14	21	28
Thur.	. 1	8	15	22	29
Fri.	. 2	9	16	23	30
Sat.	. 3	10	17	24	31

JUNE

Sun.	. 1	8	15	22	29
Mon.	. 2	9	16	23	30
Tues.	. 3	10	17	24	..
Wed.	. 4	11	18	25	..
Thur.	. 5	12	19	26	..
Fri.	. 6	13	20	27	..
Sat.	. 7	14	21	28	..

JULY

Sun.	. .	6	13	20	27
Mon.	. .	7	14	21	28
Tues.	. 1	8	15	22	29
Wed.	. 2	9	16	23	30
Thur.	. 3	10	17	24	31
Fri.	. 4	11	18	25	..
Sat.	. 5	12	19	26	..

AUGUST

Sun.	. 3	10	17	24	31
Mon.	. 4	11	18	25	..
Tues.	. 5	12	19	26	..
Wed.	. 6	13	20	27	..
Thur.	. 7	14	21	28	..
Fri.	1	8	15	22	29 ..
Sat.	2	9	16	23	30 ..

SEPTEMBER

Sun.	. .	7	14	21	28
Mon.	. 1	8	15	22	29
Tues.	. 2	9	16	23	30
Wed.	. 3	10	17	24	..
Thur.	. 4	11	18	25	..
Fri.	. 5	12	19	26	..
Sat.	. 6	13	20	27	..

OCTOBER

Sun.	.	5	12	19	26
Mon.	. .	6	13	20	27
Tues.	. .	7	14	21	28
Wed.	. 1	8	15	22	29
Thur.	. 2	9	16	23	30
Fri.	. 3	10	17	24	31
Sat.	. 4	11	18	25	..

NOVEMBER

Sun.	. 2	9	16	23	30
Mon.	. 3	10	17	24	..
Tues.	. 4	11	18	25	..
Wed.	. 5	12	19	26	..
Thur.	. 6	13	20	27	..
Fri.	. 7	14	21	28	..
Sat.	1	8	15	22	29 ..

DECEMBER

Sun.	. .	7	14	21	28
Mon.	. 1	8	15	22	29
Tues.	. 2	9	16	23	30
Wed.	. 3	10	17	24	31
Thur.	. 4	11	18	25	..
Fri.	. 5	12	19	26	..
Sat.	. 6	13	20	27	..

1920 CALENDAR 1920

JANUARY

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Fri.	. .	3	10	17	24	31
Sat.	. 4	11	18	25	..

CALENDAR 1919-1920.

1919—Sept. 1 Monday.....Last day for receiving applications for the September Examinations in Medicine.
Sept. 9 Tuesday.....Supplemental Examinations in Medicine begin.
Sept. 15 Monday.....Registration in Medicine by the Secretary of the Faculty of Medicine.
Sept. 19 Friday.....Meeting of the Council of the Faculty of Medicine.
Sept. 30 Tuesday.....Academic Year begins at 9 a.m.
Sept. 30 Tuesday.....Enrolment in classes by the various Professors.
Sept. 30 Tuesday.....The Opening Address by the President to the Students of all the Faculties at 3 p.m. in Convocation Hall.
Oct. 3 Friday.....Meeting of the Council of the Faculty of Medicine.
Oct. 10 Friday.....Meeting of Senate.
Oct. 11 Saturday.....Stated meeting of the Caput to deal with requests as to social functions until Nov. 15.
Nov. 7 Friday.....Meeting of Senate.
Dec. 5 Friday.....Meeting of the Council of the Faculty of Medicine.
Dec. 12 Friday.....Meeting of Senate.
Dec. 19 Friday.....Last day of Lectures. Term ends at 12 noon.
Dec. 19 Friday.....Railway certificates issued at 12 noon.
Dec. 25 Thursday.....University Buildings closed.

1920—Jan. 1 Thursday.....University Buildings closed.
Jan. 6 Tuesday.....Easter Term begins.
Jan. 9 Friday.....Assemblage of the Students of all the Faculties in Convocation Hall at 12.10 p.m.
Jan. 9 Friday.....Meeting of Senate.
Feb. 6 Friday.....Meeting of the Council of the Faculty of Medicine.
Feb. 13 Friday.....Meeting of Senate.
Feb. 18 Wednesday....Ash Wednesday.
Mar. 12 Friday.....Meeting of Senate.

1920—Mar. 15 Monday.....Last day for receiving applications for Annual Examinations in Medicine.
April 1 Thursday.....Meeting of Senate.
April 2 Friday.....University Buildings closed.
April 9 Friday.....Meeting of the Council of the Faculty of Medicine.
May 10 Monday.....Annual Examinations in Medicine begin.
May 24 Monday.....University Buildings closed.
May 31 Monday .....Medical Session ends.
June 4 Friday.....University Commencement.
June 11 Friday.....Meeting of Senate.
July 1 Thursday.....University Buildings closed.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

President....Robert Alexander Falconer, K.C.M.G., D.Litt., LL.D.
Registrar.....James Brebner, B.A.
Bursar.....Ferdinand Albert Mouré, Esq.
Librarian.....Hugh Hornby Langton, M.A.

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Director of Archaeological Section.
Prof. A. P. Coleman, M.A., Ph.D., Breslau, F.R.S.
Director of Geology.
Prof. W. A. Parks, Ph.D.
Director of Palaeontology.
Prof. T. L. Walker, M.A., Queen's, Ph.D., Leipzig.
Director of Mineralogy.
Prof. B. A. Bensley, B.A., Ph.D.
Director of Zoology.

Physical Director.....James Warren Barton, M.D.
Superintendents of Buildings and Grounds,
Colin Graham Campbell, B.A., M.B., C.M.
Arthur D'Orr Le Pan, B.A.Sc.
Manager of the University of Toronto Press...Richard J. Hamilton, B.A.

FACULTY OF MEDICINE.

President....Robert Alexander Falconer, K.C.M.G., D.Litt., LL.D.
Dean.....C. K. Clarke, M.D., LL.D.
Secretary.....E. Stanley Ryerson, M.D., C.M.

Note—Communications relating to standing in all Faculties and Departments and to curricula, instruction and examinations in Graduate Courses, Law, Dentistry, Pharmacy, Agriculture, Music, Pedagogy, Gymnastics and Drill, Commerce and Veterinary Science are to be addressed to the Registrar of the University; correspondence regarding curricula, instruction and examinations in a particular Faculty is to be sent to the Secretary of that Faculty, while enquiries with reference to College instruction and residence are to be addressed to the Registrar of the College concerned.

UNIVERSITY OF TORONTO—FACULTY OF MEDICINE.

1919-1920.

President....ROBERT ALEXANDER FALCONER, K.C.M.G., D.LITT., LL.D.
Dean of Faculty.....CHARLES KIRK CLARKE, M.D., LL.D.
Secretary of the Faculty.....EDWARD STANLEY RYERSON, M.D., C.M.

Professores Emeriti.

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GEORGE STERLING RYERSON M.D., C.M.

Professors, Associate Professors, Lecturers and Associates.

FRANCIS BARCLAY ALLAN, M.A., Ph.D.,
Associate Professor of Organic Chemistry, 380 Brunswick Avenue.

JOHN ANDREW AMYOT, C.M.G., M.D.,
Professor of Hygiene, 4 Laburnum Avenue.

HARRY BERTRAM ANDERSON, M.D., C.M.,
Associate Professor of Clinical Medicine, 184 Bloor Street, East.

ALLEN MACKENZIE BAINES, M.D., C.M.,
Associate Professor of Clinical Medicine and Associate Professor of Paediatrics,
Consulting Physician, Toronto General Hospital,
Physician, Chief of Service, Hospital for Sick Children,
228 Bloor Street, West.

EMIL JACOB BAUMANN, B.S., College of the City of N.Y., Ph.D., Yale,
Lecturer in Biochemistry, 203 Beverley Street.

BENJAMIN ARTHUR BENSLEY, B.A., Ph.D.,
Professor of Zoology, 37 Admiral Road.

NELSON HENRY BEEMER, M.B.,
Extra-mural Professor of Mental Diseases, The Asylum, Mimico.

GEORGE ARTHUR BINGHAM, M.B., M.D., C.M.,
Associate Professor of Clinical Surgery and Clinical Anatomy,
Surgeon, Chief of Service, Toronto General Hospital,
68 Isabella Street.

ABRAHAM BRODEY, M.A., M.B.,
Lecturer in Pharmacy and Pharmacology,
307 Palmerston Boulevard.

HERBERT ALEXANDER BRUCE, M.D., F.R.C.S., Eng.,
Associate Professor of Clinical Surgery,
Surgeon, Chief of Service, Toronto General Hospital,
64 Bloor Street, East.

GEORGE HERBERT BURNHAM, M.D., F.R.C.S., Edin.,
Professor of Ophthalmology and Otology,
Ophthalmologist, Chief of Service, St. Michael's Hospital,
Consultant in Ophthalmology and Otology, Toronto General Hospital,
128 Bloor Street, West.

ELI FRANKLIN BURTON, B.A., Ph.D.,
Associate Professor of Physics, Weston.

IRVING HEWARD CAMERON, M.B., LL.D., F.R.C.S., Eng., F.R.C.S., Edin.,
Professor of Surgery and Clinical Surgery,
Surgeon, Chief of Service, Toronto General Hospital and St. Michael's Hospital,
Consulting Surgeon, Hospital for Sick Children,
307 Sherbourne Street.

GRAHAM CHAMBERS, B.A., M.B.,
Associate Professor of Clinical Medicine,
Physician, Chief of Service, Toronto General Hospital,
26 Gerrard Street, East.

CHARLES KIRK CLARKE, M.D., LL.D.,
Professor of Psychiatry,
Psychiatrist, Toronto General Hospital, 34 Roxborough Street, East.

WILBERT AMIE CLEMENS, M.A., Ph.D.,
Lecturer in Biology, 305 Avenue Road.

BEAUMONT SANDFIELD CORNELL, M.B.
Lecturer in Comparative Anatomy, 91 Dupont Street.

ALLAN FREETH COVENTRY, B.A., Oxon.,
Lecturer in Vertebrate Embryology.

ROBERT DAVIES DEFRIES, D.P.H., M.B.,
Temporary Lecturer in Hygiene, 135 Collier Street.

HERBERT KNUTSEN DETWEILER, M.D.,
Lecturer in Pathology and Bacteriology, 112 College Street.

ROBERT JOSEPH DWYER, M.B., M.R.C.P., Lond.,
Associate Professor of Clinical Medicine,
Physician, Chief of Service, St. Michael's Hospital,
734 Spadina Avenue.

JABEZ HENRY ELLIOTT, M.B.,
Associate in Medicine and Clinical Medicine,
Assistant Physician, St. Michael's Hospital, 11 Spadina Road.

WILLIAM HODGSON ELLIS, M.A., M.B.,
Professor of Toxicology, 86 Woodlawn Avenue, East.

JOHN FERGUSON, M.A., M.D., L.R.C.P., Edin.,
Associate Professor of Clinical Medicine,
Physician, Chief of Service, Western Hospital, 264 College Street.

JOHN GERALD FITZGERALD, M.B.,
Associate Professor of Hygiene, 186 Balmoral Avenue.

JAMES MOFFATT FORSTER, M.B.,
Associate in Psychiatry, Hospital for Insane,
999 Queen Street, West.

JOHN TAYLOR FOTHERINGHAM, C.M.G., B.A., M.B., M.D., C.M.,
Associate Professor of Medicine and Clinical Medicine,
Physician, Chief of Service, Toronto General Hospital,
Consulting Physician, Hospital for Sick Children,
20 Wellesley Street.

LACHLAN GILCHRIST, M.A., Ph.D.,
Assistant Professor of Physics.

WILLIAM GOLDIE, M.B.,
Associate Professor of Clinical Medicine,
Chief, Out-patient Department in Medicine, Toronto General Hospital,
Consulting Physician, Hospital for Sick Children, 86 College Street.

DUNCAN ARCHIBALD LAMONT GRAHAM, M.D.,
Lecturer in Pathology and Bacteriology,
Pathologist, Hospital for Sick Children.
Assistant Bacteriologist, Toronto General Hospital.

FRANK ALEXANDER HARTMAN, M.A., Kansas, Ph.D., Wash.,
Assistant Professor of Physiology, 158 Albany Avenue.

STEPHEN MOFFATT HAY, M.D.,
Associate Professor of Surgery,
Surgeon, Chief of Service, Western Hospital,
550 Palmerston Boulevard.

VELYIEN EWART HENDERSON, M.A., M.B.,
Associate Professor of Pharmacy and Pharmacology,
Assistant Physician, Toronto General Hospital, Medical Building.

WILLIAM BELFRY HENDRY, D.S.O., B.A., M.B.,
Associate in Gynaecology,
Assistant Gynaecologist, Toronto General Hospital,
181 Carlton Street.

GOLDWIN WILLIAM HOWLAND, B.A., M.B., M.R.C.P., Lond.,
Associate in Clinical Medicine,
Assistant Physician in charge of Neurology Clinic, Toronto General Hospital, 149 Bloor Street, West.

ANDREW HUNTER, M.A., B.Sc., M.B., Ch.B., Edin.,
Professor of Chemical Pathology, 89 St. Joseph Street.

HENRY SEATON HUTCHISON, M.B.,
Associate in Clinical Medicine,
Assistant Physician, Toronto General Hospital,
317 Sherbourne Street.

CYRIL GRAY IMRIE, M.D.,
Lecturer in Chemical Pathology, 192 Bloor Street, West.

WILLIAM WARNER JONES, B.A., M.B., F.R.C.S., Eng.,
Associate in Clinical Surgery,
Assistant Surgeon in charge of Genito-Urinary Clinic, Toronto General Hospital, 41 Avenue Road.

FRANCIS BOTELER KENRICK, M.A., Ph.D., Leipzig,
Associate Professor of Chemistry, 77 Lonsdale Road.

JAMES ALEXANDER KINNEAR, M.D., C.M.,
Associate in Obstetrics,
Assistant Obstetrician, Toronto General Hospital,
177 Carlton Street.

WILLIAM ROBERT LANG, D.Sc., F.I.C.,
Professor of Chemistry and Director of the Chemical Laboratory,
55 Woodlawn Avenue, West.

JAMES METCALFE MACCALLUM, B.A., M.D.,
Professor of Ophthalmology,
Chief of Service in Ophthalmology, Toronto General Hospital,
Ophthalmologist, Hospital for Sick Children, 13 Bloor Street, West.

ALBERT ANGUS MACDONALD, M.B., L.R.C.P. & S., Edin.,
Associate Professor of Obstetrics and Gynaecology,
Chief of Service in Gynaecology and Obstetrics, Western Hospital,
12 Bedford Road.

HENRY THOMAS MACHELL, M.D.,
Associate Professor of Obstetrics and Paediatrics,
Consulting Physician, Hospital for Sick Children,
216 St. Clair Avenue, West.

JOHN JAMES RICHARD MACLEOD, M.B., Ch.B. (Aber.), D.P.H. (Camb.),
Professor of Physiology, 45 Nanton Avenue.

JOHN JOSEPH MACKENZIE, B.A., M.B.,
Professor of Pathology and Bacteriology and Curator of the Pathological Museum and Laboratories,
Pathologist, Toronto General Hospital, 69 Lonsdale Road.

FREDERICK WILLIAM MARLOW, M.D., C.M., F.R.C.S., Eng.,
Associate Professor of Gynaecology,
Senior Assistant Gynaecologist, Toronto General Hospital,
417 Bloor Street, West.

WILLIAM JAMES MCCOLLUM, M.B.,
Associate in Medicine and Clinical Medicine,
Assistant Physician, St. Michael's Hospital, 94 Shuter Street.

DONALD MCGILLIVRAY, M.B.,
Associate in Clinical Medicine,
Physician, Hospital for Sick Children,
Cor. Elgin Avenue and Avenue Road.

KENNEDY CRAWFORD MCILWRAITH, M.B.,
Associate Professor of Obstetrics,
Senior Assistant Obstetrician, Toronto General Hospital,
30 Prince Arthur Avenue.

PATRICK WALTER HUGHES MCKEOWN, B.A., M.B.,
Associate Professor of Clinical Surgery,
Surgeon, Chief of Service, St. Michael's Hospital.

JOHN CUNNINGHAM MCLENNAN, O.B.E., B.A., Ph.D., F.R.S.,
Professor of Physics and Director of the Physical Laboratory,
88 Prince Arthur Avenue.

JAMES PLAYFAIR MCMURRICH, M.A., Ph.D., LL.D.,
Professor of Anatomy and Director of the Anatomical Department,
75 Forest Hill Road.

ALEXANDER MCPHEDRAN, M.B.,
Professor of Medicine and Clinical Medicine,
Physician, Chief of Service, Toronto General Hospital,
Consulting Physician, Hospital for Sick Children,
151 Bloor Street, West.

WILLIAM LASH MILLER, B.A., Ph.D.,
Professor of Physical Chemistry, 50 St. Albans Street.

HAROLD CAMPBELL PARSONS, B.A., M.D., C.M., M.R.C.P., Lond.,
Associate in Clinical Medicine,
Assistant Physician in charge of Tuberculosis Clinic, Toronto General Hospital and Hospital for Sick Children.

WILLIAM HUNTER PIERSOL, B.A., M.B.,
Associate Professor of Histology and Embryology,
26 Albany Avenue.

NEWTON ALBERT POWELL, M.D., C.M., M.D., Bellevue, N.Y.,
Professor of Medical Jurisprudence and Associate Professor of Clinical Surgery,
Assistant Surgeon in charge of Emergency Department, Toronto General Hospital, 167 College Street.

ALEXANDER PRIMROSE, C.B., M.B., C.M., Edin.,
Professor of Clinical Surgery,
Surgeon, Chief of Service, Toronto General Hospital,
Consulting Surgeon, Hospital for Sick Children, 100 College Street.

A. C. REDFIELD, Ph.D. (Harvard),
Assistant Professor of Physiology Medical Building.

THOMAS BEDFORD RICHARDSON, M.D., C.M., F.R.C.S., Edin.,
Associate in Clinical Surgery, 128 Bloor Street, West.

T. BRAILSFORD ROBERTSON, Ph.D., California D.Sc., Adelaide,
Professor of Biochemistry, 67 Queen's Park.

ROBERT DAWSON RUDOLF, C.O.B.E., M.D., C.M., F.R.C.P., Lond.,
Professor of Therapeutics,
Senior Assistant Physician, Toronto General Hospital,
302 Bloor Street, West.

EDWARD STANLEY RYERSON, M.D., C.M.,
Associate in Clinical Surgery,
Second Senior Assistant Surgeon, Toronto General Hospital,
143 College Street.

JOHN SATTERLY, M.A., Cantab., D.Sc., Lond.,
Assistant Professor of Physics, 269 Davenport Road.

WALLACE ARTHUR SCOTT, C.M.G., B.A., M.B., F.R.C.S., Eng.,
Associate in Clinical Surgery,
Assistant Surgeon, St. Michael's Hospital, 627 Sherbourne Street.

CHARLES BUCKINGHAM SHUTTLEWORTH, M.D., C.M., F.R.C.S., Eng.,
Associate in Surgery and Clinical Surgery,
Senior Assistant Surgeon, Toronto General Hospital,
Consulting Surgeon, Hospital for Sick Children, 478 Huron Street.

GIDEON SILVERTHORN, M.B.,
Associate in Clinical Surgery,
Assistant Surgeon, St. Michael's Hospital, 266 College Street.

CLARENCE LESLIE STARR, M.B.,
Associate Professor of Clinical Surgery in charge of Orthopaedics,
Surgeon, Chief of Service, Hospital for Sick Children,
Consulting Surgeon, Toronto General Hospital,
224 Bloor Street, West.

FREDERIC NEWTON GISBORNE STARR, M.B.,
Associate Professor of Clinical Surgery,
Senior Assistant Surgeon, Toronto General Hospital,
Consulting Surgeon, Hospital for Sick Children,
Surgeon, Toronto Western Hospital, 112 College Street.

WILLIAM BROWN THISTLE, M.D.,
Associate Professor of Clinical Medicine,
Senior Assistant Physician, Toronto General Hospital,
Consulting Physician, Hospital for Sick Children,
171 College Street.

JOHN FRANKLIN UREN, M.D., C.M.,
Associate in Surgery and Clinical Surgery,
Assistant Surgeon, St. Michael's Hospital, 520 Church Street.

EDMUND MURTON WALKER, B.A., M.B.,
Associate Professor of Zoology, 67 Alcina Avenue.

HARDOLPH WASTENEYS, Ph.D., Columbia,
Assistant Professor of Biochemistry, 20 Howland Avenue.

BENJAMIN PHILP WATSON, M.D., Ch.B., Edin., F.R.C.S., Edin.,
Professor of Obstetrics and Gynaecology,
Obstetrician, Chief of Service, Toronto General Hospital,
Gynaecologist, Chief of Service, Toronto General Hospital,
112 College Street.

JAMES CRAWFORD WATT, M.A., M.D.,
Assistant Professor in Anatomy, 20 Hawthorne Avenue.

DAVID JAMES GIBB WISHART, B.A., M.D., C.M., McGill,
Professor of Oto-Laryngology,
Chief of Service in Otology, Laryngology and Rhinology, Toronto General Hospital, 47 Grosvenor Street.

Sessional Appointments.

FREDERICK ALLAN AYLESWORTH, M.D., C.M.,
Temporary Assistant Ophthalmologist, Toronto General Hospital,
112 College Street.

ROBERT GARDNER ARMOUR, B.A., M.B.,
Assistant in Clinical Medicine,
Assistant in Neurology, Toronto General Hospital,
98 St. George Street.

HERBERT WILLIAM BAKER, B.A., M.B.,
Assistant in Clinical Surgery and Pathology,
Temporary Assistant Surgeon Out-patient Department, Toronto General Hospital, 588 Spadina Avenue.

GORDON ANDERSON BATES, M.B.,
Assistant in Clinical Medicine,
Assistant Physician, Toronto General Hospital, 15 Barton Avenue.

HARRY KENDALL BATES, M.B.,
Demonstrator in Anatomy, 15 Barton Avenue.

GEORGE MAITLAND BIGGS, M.B.,
Assistant in Oto-Laryngology, Toronto General Hospital,
341 Bloor Street, West.

MISS ELVIE BISHOP, M.A.,
Assistant in Physics, 100 Queen's Park.

DAVID HARVEY BODDINGTON, M.B.,
Assistant in Clinical Laboratory, St. Michael's Hospital,
81 Willcocks Street.

GEORGE FLORIAN BOYER, M.D.,
Assistant in Clinical Medicine,
Assistant Physician, Hospital for Sick Children, and Toronto General Hospital, 143 College Street.

EDMUND BOYD, B.A., M.B.,
Assistant in Oto-Laryngology, Toronto General Hospital,
143 College Street.

MRS. GERALD EYRE KIRKWOOD BRANCH, B.A.,
Demonstrator in Biochemistry, 17 Harbord Street.

CHARLES O. BROAD, M.B.,
Class Assistant in Biology, 480 Danforth Avenue.

ALAN BROWN, M.B.,
Demonstrator in Clinical Medicine,
Physician, Hospital for Sick Children,
Assistant in Paediatrics, Toronto General Hospital,
423 Avenue Road.

WILLIAM EASSON BROWN, M.B.,
Assistant in Anatomy, 84 Carlton Street.

EDWARD CECIL BURSON, M.B.,
Demonstrator in Clinical Medicine,
Assistant Physician, Toronto General Hospital,
110 St. Clair Avenue, West.

MALCOLM HECTORSON VALENTINE CAMERON, M.B.,
Demonstrator in Clinical Surgery,
Assistant Surgeon, St. Michael's Hospital, 379 Spadina Avenue.

COLIN ALEXANDER CAMPBELL, M.D., C.M., M.R.C.S., L.R.C.P.,
Demonstrator in Ophthalmology,
Assistant in Ophthalmology, Toronto General Hospital,
172 Bloor Street, East.

GEORGE ALEXANDER CAMPBELL, B.A., M.B.,
Assistant in Pathology,
Assistant Physician, Hospital for Sick Children, 459 Avenue Road.

WALTER RUGGLES CAMPBELL, M.A., M.D.,
Demonstrator in Pathological Chemistry, 249 Brunswick Avenue.

ALAN WOODBURN CANFIELD, M.D., C.M.,
Clinical Assistant in Paediatrics,
Physician, Hospital for Sick Children, 313 Brunswick Avenue.

JOHN HAROLD CASCADEN, M.D., C.M., L.R.C.P., Lond., M.R.C.S., Eng.,
Assistant in Clinical Surgery, 256 Dundas Crescent, East.

ALFRED HANS CAULFEILD, M.B.,
Research Associate in the Connaught and Antitoxin Laboratories,
13 Spadina Road.

HARVEY CLARE, M.D.,
Demonstrator in Psychiatry,
Assistant Superintendent, Hospital for Insane,
Assistant Inspector of Hospitals for Insane in Ontario,
999 Queen Street, West.

FREDERICK ARNOLD CLARKSON, M.B.,
Demonstrator in Clinical Medicine,
Senior Assistant Physician, Toronto Western Hospital,
421 Bloor Street, West.

FREDERICK ADAM CLELAND, B.A., M.B.,
Assistant in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital,
131 Bloor Street, West.

HERBERT ERNEST CLUTTERBUCK, M.B.,
Assistant in Gynaecology,
Assistant in Gynaecology, Toronto Western Hospital,
148 Grace Street.

C. EDMUND COOPER COLE, B.A., M.B.,
Demonstrator in Therapeutics,
Assistant Demonstrator in Pathology.

CHARLES JOSEPH COPP, M.D., C.M.,
Demonstrator in Anatomy, 96 Wellesley Street.

JAMES HENRY COTTON, M.A., M.B.,
Assistant in Anatomy,
Biology and Clinical Surgery, 24 Bloor Street, East.

EDWARD HORNE CRAIGIE,
Demonstrator in Biology, 40 Leopold Street.

MALCOLM MCLACHLAN CRAWFORD, M.B.,
Demonstrator in Obstetrics,
Obstetrician, Chief of Service, St. Michael's Hospital,
39 Roxborough Street, West.

GORDON MCINTYRE DALE, B.A., M.B.,
Assistant in Anatomy and Clinical Surgery, 591 Church Street.

RAYMOND COMPTON DEARLE, M.A.,
Assistant in Physics, 198 Robert Street.

IVAN WANLESS DICKSON, M.B.,
Assistant in Clinical Surgery.

GEORGE SHARPE EADIE, B.A.,
Assistant in Biology, 899 Queen Street, West.

ISAAC H. ERB, M.B.,
Fellow in Pathology, 122 Clinton Street.

WALTER RAYMOND FETZER, A.B. (Nebraska, Wesleyan),
Assistant in Chemistry, 120 Brunswick Avenue.

ROBERT OVENS FISHER, M.B., M.R.C.S.,
Assistant in Anatomy, 343 Sherbourne Street.

ANDREW ALMON FLETCHER, M.B.,
Assistant in Medicine and Clinical Medicine
54 Poplar Plains Road.

MISS ALICE WILLENA FOSTER, M.A.,
Assistant in Physics, 100 Queen's Park.

NORMAN FOUND, B.A.,
Class Assistant in Biology, 620 Ontario Street.

MRS. LOIS MCPHEDRAN FRASER, M.A.,
Demonstrator in Physiology, 151 Bloor Street, West.

NICHOLAS D'ARCY FRAWLEY, M.D.,
Demonstrator in Anatomy,
Assistant in Obstetrics,
Gynaecologist, Chief of Service, St. Michael's Hospital,
503 Markham Street.

WILLIAM STANLEY FUNNELL, M.A.,
Lecturer in Chemistry, 151 Macpherson Avenue.

ELLIS INGHAM FULMER, M.A. (Univ. of Nebraska),
Assistant in Chemistry, 319 Brunswick Avenue.

ROBERT EDWARD GABY, B.A., M.D.,
Demonstrator in Anatomy and in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital, 662 Bathurst Street.

JOHN GORDON GALLIE, B.A., M.B.,
Assistant in Obstetrics and Gynaecology,
Junior Assistant Obstetrician, Toronto General Hospital,
143 College Street.

WILLIAM EDWARD GALLIE, M.B., F.R.C.S.Eng.
Demonstrator in Clinical Surgery,
Surgeon, Hospital for Sick Children, 143 College Street.

MISS ILA BEATRICE GILES,
Assistant in Physics, Annesley Hall.

THOMAS JAMES GLOVER, M.B.,
Assistant in Medicine, 142 Broadview Avenue.

PERRY GLADSTONE GOLDSMITH, M.D.,
Demonstrator in Oto-Laryngology,
Senior Assistant in Otology, Laryngology and Rhinology,
Toronto General Hospital.

MISS M. MARGARET GOULD,
Assistant in Biochemistry, 429 Broadview Avenue.

JOSEPH SUTHERLAND GRAHAM, M.B.,
Demonstrator in Clinical Medicine and Paediatrics,
Physician, Hospital for Sick Children, 55 College Street.

ROSCOE REID GRAHAM, M.B.,
Assistant in Pathology and in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital, 501 Markham Street.

CHARLES H. HAIR, M.D., C.M.,
Assistant in Clinical Surgery,
Assistant Surgeon in Out-patient Department, Toronto General Hospital, 545 Palmerston Boulevard.

THOMAS RICHARD HANLEY, B.A., M.B.,
Assistant in Anaesthesia and in Anatomy,
Registrar and Assistant Anaesthetist, Toronto General Hospital,
20 Bloor Street, West.

BEVERLEY HANNAH, M.B.,
Assistant in Clinical Medicine,
Physician, Hospital for Sick Children, 589 Sherbourne Street.

CHARLES WILBUR HARRIS,
Assistant in Biology, 1276 King Street, West.

ROBERT INKERMAN HARRIS, M.B.,
Assistant in Anatomy, Dominion Orthopedic Hospital.

FREDERICK CHRISTOPHER HARRISON, B.A., M.B.,
Assistant in Pharmacology, 29 Roxborough Street, West.

HOWARD DAVIDSON HARRISON, M.D., F.R.C.S., Eng.,
Assistant in Clinical Surgery, 345 Bloor Street, West.

JOSEPH WILBERT HAYES, M.B.,
Assistant in Surgery.

ARTHUR CLINTON HENDRICK, M.A., M.B., F.R.C.S., Edin.,
Demonstrator in Gynaecology,
Assistant Gynaecologist, Toronto General Hospital,
20 Bloor Street, East.

WILLIAM ERNEST HENRY, B.A.,
Assistant in Biology, Knox College.

SAMUEL ROSS DELAP HEWITT, M.B., 14 Inglewood Drive.
Assistant in Therapeutics.

CLARENCE MEREDITH HINCKS, B.A., M.B.,
Special Lecturer in Psychology,
Assistant in Psychiatry, Toronto General Hospital,
735 Bloor Street, West.

RALPH EBENEZER HOOPER, B.A., M.B.,
Demonstrator in Anatomy, 415 Bloor Street, West.

ARTHUR ISAACSON, M.B.,
Assistant in Biology, 583 Dundas Street, West.

SAMUEL JOHNSTON, B.A., M.D., C.M.,
Demonstrator in Anaesthesia,
Anaesthetist, Toronto General Hospital, 108 Avenue Road.

JOHN ELLWOOD LEONARD KEYS, M.B., L.R.C.P. & L.R.C.S., Edin., L.R.S.P. & S., Glas.,
Assistant in Anatomy, 53 College Street.

LESLIE GIFFORD KILBORN, M.A.,
Fellow in Physiology, Gate House, Burwash Hall.

WALTER WHITNEY LAILEY, B.A., M.B.,
Assistant in Obstetrics and Gynaecology, 133 Bloor Street, East.

ROSS STANLEY LANG, B.A.,
Fellow in Physiology, Burwash Hall.

CHARLTON PAGE LATHROP, B.S., M.S. (Univ. of Ill.),
Fellow in Biochemistry, 515 West Marian Street.

ALEXANDER HENRY LEIM,
Assistant in Biology, 28 Russell Street.

JULIAN DERWENT LOUDON, B.A., M.B., M.R.C.S., L.R.C.P.,
Assistant in Clinical Medicine,
Assistant Physician, St. Michael's Hospital, 83 St. George Street.

GLADSTONE WILFRED LOUGHEED, M.D.,
Assistant in Pathology, 675 Bathurst Street.

SAMUEL MORTIMER LYON, M.D.,
Assistant in Ophthalmology,
Temporary Assistant in Ophthalmology, Toronto General Hospital,
122 Bloor Street, West.

OLIVER RAYMOND MABEE, M.D., C.M., McGill,
Assistant in Clinical Surgery and in Pathology,
Assistant Surgeon, Toronto General Hospital,
419 Bloor Street, West.

WILLIAM JOSEPH MABEE, M.B.,
Demonstrator in Obstetrics,
Assistant Obstetrician, Toronto General Hospital, 468 Church Street.

JAMES ALEXANDER MACDONALD, Phm.B.,
Assistant in Pharmacy, 38 Hogarth Avenue.

JOHN MACKAY MACDONALD, M.B., C.M.,
Assistant in Biology, 687 Pape Avenue.

MISS MARY ISOBEL MACKAY,
Assistant in Physics, 303 Huron Street.

SAMUEL JOHN NEWTON MAGWOOD, M.B.,
Demonstrator in Obstetrics, 414 Dovercourt Road.

ROBERT WILLIAM MANN, M.D.,
Demonstrator in Clinical Medicine,
Assistant Physician, St. Michael's Hospital,
39 Roxborough Street, East.

ABRAHAM LINCOLN MARSHALL, B.A.,
Assistant in Chemistry, 582 Church Street.

ALFRED DENBOW ARNOLD MASON, L.D.S., D.D.S.,
Demonstrator in Dental Surgery, 2 College Street.

PERCIVAL KEITH MENZIES, B.A., M.B.,
Assistant in Clinical Surgery,
Assistant Surgeon, Hospital for Sick Children, 50 Howland Avenue.

MISS HAZEL CLAIRE MILLAR, B.A.,
Assistant in Physics, 100 Queen's Park.

BEVERLEY Z. MILNER, M.D., C.M.,
Assistant in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital,
Chief in Surgery, Out-patient Department, Toronto General Hospital,
Consulting Surgeon, Hospital for Sick Children,
100 St. George Street.

FREDERICK SYDNEY MINNS, M.B.,
Assistant in Clinical Medicine,
Junior Research Fellow in Medicine, 638 Dufferin Street.

JOHN PATRICK MITCHELL, M.B.,
Assistant in Clinical Medicine, 320 Bloor Street, West.

ANDREW SAMUEL MOORHEAD, M.B., F.R.C.S., Eng.,
Assistant in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital,
146 Bloor Street, West.

NELSON DAVID MORRIS, B.A.,
Class Assistant in Biology, Knox College.

AGNES ISABEL MULDREW, B.A.,
Fellow in Biochemistry, 368 Palmerston Boulevard.

JOHN ALEXANDER MCCOLLUM, M.B.,
Assistant in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital, 12 Avenue Road.

ROBERT JOHN MCCULLOUGH, M.B., L.R.C.P., Lond., M.R.C.S., Eng.,
Assistant in Anatomy and Biology, 102 College Street.

MRS. MARGARET EMMA MCFARLANE, M.A.,
Assistant in Physiology, 5 Rathnally Avenue.

GEORGE CRARER MCINTYRE, M.B.,
Assistant in Clinical Surgery, 469 Parliament Street.

WILLIAM GRAHEME MACKECHNIE, M.D., C.M.,
Assistant in Oto-Laryngology, 96 College Street.

ALEXANDER DUNBAR MCKELVEY, M.B.,
Assistant in Oto-Laryngology, Toronto General Hospital,
160 Bloor Street, West.

ALEXANDER JOHN MACKENZIE, B.A., M.B., LL.B.,
Demonstrator in Clinical Medicine,
Assistant Physician, St. Michael's Hospital.

MATTHEW DONALD MCKICHAN, B.A., M.B.,
Assistant in Anaesthesia and Temporary Assistant in Embryology,
Assistant Anaesthetist, Toronto General Hospital,
686 Broadview Avenue.

STUART MCLEAN, M.A.,
Assistant in Physics, McMaster University.

DUNCAN NEIL MACLENNAN, M.D., C.M., M.R.C.S., L.R.C.P.,
Demonstrator in Ophthalmology,
Senior Assistant in Ophthalmology, Toronto General Hospital,
Chief of Service in Oto-Laryngology, Hospital for Sick Children,
126 Bloor Street, West.

OSCAR ADDISON MCNICHOL, M.D., C.M., L.R.C.P. & S.,
Assistant in Clinical Surgery, 134 Carlton Street.

JOHN HARRIS MCPHEDRAN, M.D.,
Demonstrator in Anatomy and in Clinical Medicine,
Assistant Physician, St. Michael's Hospital.

WILLIAM FLETCHER MCPHEDRAN, B.A, M.B.,
Demonstrator in Medicine,
Demonstrator in Pathology, in charge of Clinical Microscopy,
Assistant Physician, Toronto General Hospital,
151 Bloor Street, West.

ARCHIBALD GEORGE MCPHEDRAN, B.A., M.B.,
Assistant in Clinical Medicine and Class Assistant in Biology,
Assistant Physician, Toronto General Hospital, 923 College Street.

HENRY ALLEN MCTAGGART, M.A., Tor., B.A., Cantab.,
Demonstrator in Physics, 85 St. George Street.

CHARLES STANLEY MCVICAR, M.B.,
Demonstrator in Clinical Medicine,
Assistant Physician, Toronto General Hospital,
300 Roncesvalles Avenue.

ROBERT WHITE NAYLOR, M.B.,
Assistant in Pathology and in Clinical Surgery,
425 Bloor Street, West

JOHN ALLEN OILLE, M.D.,
Demonstrator in Pathology,
Assistant in Clinical Medicine,
Assistant Physician in charge of Heart Clinic, Toronto General Hospital, 112 College Street.

BREFNEY ROLPH O'REILLY, O.B.E., M.D., C.M.
Demonstrator in Clinical Medicine,
Assistant Physician, St. Michael's Hospital,
183 St. Clair Avenue, West.

THOMAS JEFFERSON PAGE, M.B.,
Assistant in Clinical Medicine,
Assistant Physician, Western Hospital, 941 Bathurst Street.

CHARLES DANIEL PARFITT, M.D., C.M.,
Lecturer in Tuberculosis Clinic, The Calydor, Gravenhurst.

FRANK STEWART PARK, B.A., M.B.,
Assistant in Clinical Medicine and in Pathology,
Assistant Physician, Hospital for Sick Children, 461 Avenue Road.

CHARLES BEMISTER PARKER, B.A., M.B.,
Assistant in Clinical Surgery, 73 Bloor Street, East.

ROBIN PEARSE, F.R.C.S., Eng., L.R.C.P., Lond.,
Assistant in Clinical Surgery,
Assistant Surgeon, Toronto Western Hospital, 58 Avenue Road.

ALFRED HARSHAW PERFECT, M.B., Tor., M.D., C.M.,
Assistant in Clinical Surgery,
Surgeon, Toronto Western Hospital, 201 Annette Street.

GEORGE ROWE PHILP, M.B.,
Demonstrator in Anatomy.

WILLIAM FRANCIS PLEWES, M.B.,
Demonstrator in Anatomy and Assistant in Clinical Surgery,
543 Broadview Avenue.

ERNEST ROBERT ISAAC PRATT, B.A.,
Assistant in Physics, 68 Alexander Street.

MISS FLORENCE MARY QUINLAN, M.A.,
Assistant in Physics, St. Joseph's College.

WILLIAM RICHARD QUINN,
Class Assistant in Biology, 92 Willcocks Street.

GORDON EARLE RICHARDS, M.B.,
Assistant in Clinical Medicine, 325 St. George Street.

ERNEST FULTON RISDON, D.D.S., M.B.,
Demonstrator in Anatomy for Dental Students.

JAMES ALEXANDER ROBERTS, C.B., M.B., L.R.C.P., F.R.C.S., Eng.,
Demonstrator in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital, 19 Bloor Street, West.

JOSEPH XAVIER ROBERT, M.B.,
Assistant in Anatomy, 32 Bloor Street, West.

DAVID EDWIN ROBERTSON, M.B.,
Assistant in Clinical Surgery,
Assistant Surgeon, Hospital for Sick Children,
112 College Street.

LAWRENCE BRUCE ROBERTSON, B.A., M.B.,
Assistant in Clinical Surgery,
Assistant Surgeon, Hospital for Sick Children,
27 Summerhill Avenue.

THOMAS ARNOLD ROBINSON, M.B., C.M., McGill,
Demonstrator in Anatomy, in charge of Dental Students,
147 Howard Park Avenue.

WILLIAM LIPSETT ROBINSON, B.A. (McMaster), M.B.,
Demonstrator in Pathology,
Assistant Curator of Pathological Museum,
1 St. Edmunds Drive, Lawrence Park.

ALBERT HILL ROLPH, M.B.,
Demonstrator in Pathology and Bacteriology, 192 Bloor Street, West.

FREDERICK WHITNEY ROLPH, M.A., M.B.,
Demonstrator in Pathological Chemistry and Assistant in Clinical Laboratory,
Physician in charge of Gastro-Intestinal Clinic, Toronto General Hospital, 693 Spadina Avenue.

GEORGE WILLIAM ROSS, B.A, M.D., M.R.C.P., Lond.,
Demonstrator in Clinical Medicine,
Demonstrator in Therapeutics, Acting Head of Department,
Senior Assistant Physician in charge of Department of Therapeutic Inoculation, Toronto General Hospital, 627 Jarvis Street.

HAROLD L. ROWNTREE,
Assistant in Anatomy, 1203 Bloor Street, West.

GILBERT ROYCE, B.A., M.B.,
Demonstrator in Oto-Laryngology,
Senior Assistant in Otology, Laryngology and Rhinology, Toronto General Hospital and Hospital for Sick Children,
96 College Street.

JAMES WINFIELD RUSH,
Class Assistant in Pharmacy and Pharmacology, 55 Dupont Street.

WALTER ARTHUR SCOTT, B.A., M.B., F.R.C.S., Eng.,
Demonstrator in Anatomy,
Assistant Surgeon, St. Michael's Hospital, 627 Sherbourne Street.

WILLIAM ALBERT SCOTT, B.A. (McMaster), M.B.,
Assistant Demonstrator in Obstetrics and Gynaecology,
In charge of Out-patient Department in Obstetrics and Gynaecology, Toronto General Hospital, 133 Bloor Street, East.

FRANK RAMSAY SCOTT, M.B.,
Assistant in Anatomy,
Assistant Surgeon, Toronto Western Hospital,
122 Roncesvalles Avenue.

CHARLES SHEARD, Jr., M.B.
Assistant in Clinical Medicine and in Pharmacy and Pharmacology,
Assistant Physician St. Michael's Hospital, 52 College Street.

NORMAN STRACHAN SHENSTONE, M.D.,
Demonstrator in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital,
196 Bloor Street, West.

HARRY JAMES SHIELDS, B.A., M.B.,
Assistant in Pathology.

JAMES STARR SIMPSON, M.D., C.M. (McGill), M.R.C.S., Eng., L.R.C.P., Lond.,
Assistant in Anatomy and in Clinical Surgery, 137 Avenue Road.

THOMAS JOHN SIMPSON, M.B.,
Assistant in Clinical Surgery, Toronto General Hospital.

DAVID KING SMITH, M.B.,
Demonstrator in Clinical Medicine,
Assistant Physician in charge of Dermatology, Toronto General Hospital, 22 Wellesley Street.

GEORGE EDWARD SMITH, B.A., M.B.,
Assistant in Paediatrics, Toronto General Hospital,
244 Bloor Street, West.

MAURICE EDWARD SMITH, B.A. (Univ. of N.B.),
Assistant in Chemistry, 22 Dundonald Street.

LEON JUDAH SOLWAY, B.A., M.B.,
Assistant in Clinical Medicine,
Assistant Physician, Toronto General Hospital,
Assistant Physician, Hospital for Sick Children,
143 College Street.

JANE PEARL SPROULE-MANSON, M.B.,
Assistant in Oto-Laryngology, Toronto General Hospital,
250 Huron Street.

ROBERT SPENCER STONE,
Assistant in Biology, Knox College.

GEORGE STEWART STRATHY, M.D., C.M.,
Demonstrator in Clinical Medicine,
Assistant Physician, Toronto General Hospital,
Assistant Physician, Hospital for Sick Children, 143 College Street.

JAMES CARL THOMPSON, B.A.,
Assistant in Physics, 208 Brunswick Avenue.

HAROLD MURCHISON TOVELL, M.D.,
Assistant in Therapeutics, 184 Bloor Street, East.

EMERSON JAMES TROW, M.B.,
Assistant in Clinical Medicine,
Assistant in Dermatology, Out-patient Department, Toronto General Hospital, 40 Avenue Road.

JOHN FRANCIS TWISS, B.A.,
Assistant in Physics, McMaster University.

CHARLES JAMES WAGNER, M.B.,
Demonstrator in Clinical Medicine, 19 Gerrard Street, East.

WILLIAM VIRGIL WATSON, M.B.,
Assistant in Therapeutics, 120 Quebec Avenue.
ROBERT WATSON WESLEY, M.B.,
Assistant in Gynaecology,
Assistant in Gynaecology, Toronto Western Hospital,
548 Palmerston Avenue.
LEROY EGERTON WESTMAN, M.A.,
Assistant in Chemistry, Confederation Life Building.
FREDERICK WILLIAM WESTON, B.A., M.B.,
Demonstrator in Anatomy, 137 Avenue Road.
MARCHANT BECKETT WHYTE, B.A., M.B.,
Assistant in Clinical Medicine (Infectious Diseases),
Superintendent Isolation Hospital, Isolation Hospital.
HERBERT GEORGE WILLSON, B.A., M.B.,
Assistant in Biology, 633 Spadina Avenue.
GEORGE EWART WILSON, M.B., F.R.C.S., Eng.,
Demonstrator in Clinical Surgery,
Assistant Surgeon, St. Michael's Hospital, 205 Bloor Street, East.
ARTHUR BALDWIN WRIGHT, M.B.,
Demonstrator in Clinical Surgery,
Assistant Surgeon, Toronto General Hospital, 329 Church Street.
WALTER WALKER WRIGHT, M.B.,
Assistant in Ophthalmology, 143 College Street.
GEORGE SILLS YOUNG, B.A., M.B.,
Demonstrator in Clinical Medicine,
Assistant Physician, Toronto General Hospital, 143 College Street.

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F. A. Hartman, M.A., Ph.D.,
Stephen Moffatt Hay, M.D.,
Velyien Ewart Henderson, M.A., M.B.,
*W. B. Hendry, D.S.O., B.A., M.B.,
*Goldwin William Howland, B.A., M.B., M.R.C.P. Lond.
Andrew Hunter, M.A., B.Sc., M.B., Ch.B., Edin.
*Henry Seaton Hutchison, M.B.,
*C. G. Imrie, M.D.,
*William Warner Jones, B.A., M.B., F.R.C.S. Eng.
Francis Boteler Kenrick, M.A., Ph.D.,

*Lecturers and instructors as indicated by the asterisk shall act as Assessors only and shall not be entitled to vote.

*J. A. KINNEAR, M.D., C.M.,
WILLIAM ROBERT LANG, D.Sc., F.I.S.,
JAMES METCALFE MACCALLUM, B.A., M.D.,
*WILLIAM JAMES MCCOLLUM, M.B.,
*DONALD MCGILLIVRAY, M.B.,
KENNEDY CRAWFORD MCILWRAITH, M.B.,
JOHN JAMES RICHARD MACLEOD, M.B., Ch.B. (Aber.), D.P.H. Camb.
JOHN JOSEPH MACKENZIE, B.A., M.B.,
PATRICK WALTER HUGHES MCKEOWN, B.A., M.B.,
JOHN CUNNINGHAM MCLENNAN, B.A., Ph.D., F.R.S., O.B.E.
JAMES PLAYFAIR MCMURRICH, M.A., Ph.D., LL.D.
ALEXANDER MCPHEDRAN, M.B.,
ALBERT ANGUS MACDONALD, M.B., L.R.C.P. and S. Edin.
HENRY THOMAS MACHELL, M.D.,
FREDERICK WILLIAM MARLOW, M.D., C.M., F.R.C.S. Eng.
WILLIAM LASH MILLER, Ph.D.,
HAROLD CAMPBELL PARSONS, B.A., M.D., C.M., M.R.C.P. Lond.
WILLIAM HUNTER PIERSOL, B.A., M.B.,
NEWTON ALBERT POWELL, M.D., C.M.,
ALEXANDER PRIMROSE, C.B., M.B., C.M.,
*THOMAS BEDFORD RICHARDSON, M.D., C.M., F.R.C.S. Edin.
T. BRAILSFORD ROBERTSON, Ph.D., D.Sc.,
ROBERT DAWSON RUDOLF, C.O.B.E., M.D., C.M., F.R.C.P. Lond.
*EDWARD STANLEY RYERSON, M.D., C.M.,
JOHN SATTERLY, M.A., Cantab., D.Sc., Lond.,
*WALLACE ARTHUR SCOTT, C.M.G., B.A., M.B., F.R.C.S. Eng.
*CHARLES BUCKINGHAM SHUTTLEWORTH, M.D., C.M., F.R.C.S. Eng.
*GIDEON SILVERTHORN, M.B.,
CLARENCE LESLIE STARR, M.B.,
FREDERIC NEWTON GISBORNE STARR, M.B.,
WILLIAM BROWN THISTLE, M.D.,
*JOHN FRANKLIN UREN, M.D., C.M.,
HARDOLPH WASTENEYS, Ph.D.
BENJAMIN PHILP WATSON, M.D., Ch.B., F.R.C.S. Edin.
*JAMES CRAWFORD WATT, M.A., M.D.,
EDMUND MURTON WALKER, B.A., M.B.,
DAVID JAMES GIBB WISHART, B.A., M.D., C.M.,
THE LIBRARIAN OF THE UNIVERSITY.

Secretary.....E. STANLEY RYERSON, M.D., C.M.

*Lecturers and instructors as indicated by the asterisk shall act as Assessors only and shall not be entitled to vote.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN.

Deans.

W. T. Aikins, 1887-1893.
U. Ogden, 1893-1896.
R. A. Reeve, 1896-1908.
C. K. Clarke, 1908-

Secretaries.

Adam Wright, 1887-1893.
James Brebner, 1893-1894.
A. Primrose, 1894-1918.
E. Stanley Ryerson, 1918.

Assistant Secretaries.

J. J. Mackenzie, 1900-1908.
E. Stanley Ryerson, 1908-1918.

Chair of Medicine and Clinical Medicine.

Professors of Medicine.

H. H. Wright, 1887-1892.
J. E. Graham, 1887-1900.
A. McPhedran, 1900-

Professors of Clinical Medicine.

A. McPhedran, 1900-
J. L. Davison, 1903-1909.

Associate Professors of Medicine and Clinical Medicine.

A. McPhedran, 1892-1900.
J. T. Fotheringham, 1903-
R. D. Rudolf, 1903-1908.

Associate Professors of Clinical Medicine.

W. P. Caven, 1896-1913.
W. B. Thistle, 1900-
A. M. Baines, 1903-
A. R. Gordon, 1903-1916.
R. J. Dwyer, 1903-
H. B. Anderson, 1903-
Graham Chambers, 1908-
William Goldie, 1913-
John Ferguson, 1913-

Associate Professors of Paediatrics.

A. M. Baines, 1903-
H. T. Machell, 1903-

Chair of Surgery and Clinical Surgery.

Professor of Surgery.

W. T. Aikins, 1887-1897.

Professors of Surgery and Clinical Surgery.

I. H. Cameron, 1897-
F. LeM. Grasett, 1903-1909.
G. A. Peters, 1903-1907.
L. Teskey, 1903-1909.

Associate Professor of Surgery and Clinical Surgery.

G. A. Peters, 1892-1903.

Professor of Surgery and Surgical Pathology.

I. H. Cameron, 1887-1892.

Associate Professor of Clinical Surgery and Clinical Anatomy.

G. A. Bingham, 1903-

Professors of Clinical Surgery.

L. McFarlane, 1887-1896.
A. Primrose, 1918.
I. H. Cameron, 1892-1896.

Associate Professors of Clinical Surgery.

A. Primrose, 1897-1918.
B. Spencer, 1897-1903.
L. M. Sweetnam, 1897-1902.
H. A. Bruce, 1897-
W. Oldright, 1899-1910.
F. N. G. Starr, 1900-
C. L. Starr, 1903-
(In charge of Orthopaedics).
P. W. H. McKeown, 1908-
S. M. Hay, 1913-

Chair of Obstetrics.

Professor.

A. H. Wright, 1887-1912.

Associate Professors.

H. T. Machell, 1900-
F. Fenton, 1913-19.
K. C. McIlwraith, 1910-

Chair of Gynaecology.

Professors.

Uzziel Ogden, 1887-1903.
James F. W. Ross, 1903-1911.

Associate Professor.

James F. W. Ross, 1897-1903.

Professor of Operative Obstetrics and Gynaecology.

J. A. Temple, 1903-1909.

Chair of Obstetrics and Gynaecology.

Professor.

B. P. Watson, 1912-

Associate Professors of Gynaecology.

F. W. Marlow, 1913-

A. A. Macdonald, 1913-

Chair of Anatomy.

Professors.

J. H. Richardson, 1887-1896.
A. Primrose, 1896-1907.
J. Playfair McMurrich, 1907-

Associate Professors.

M. H. Aikins, 1887-1892.
A. Primrose, 1892-1896.
H. W. Aikins, 1896-1914.

Chair of Chemistry.

Professors.

W. H. Ellis, 1887-
W. H. Pike, 1888-1900.
W. R. Lang, 1900-

Associate Professors.

W. L. Miller, 1901-
F. B. Allan, 1907-
F. B. Kenrick, 1910-

Associate Professor of Medical Chemistry.

W. T. Stuart, 1903-1910.

Chair of Biology and Physiology.

Professor.

R. Ramsay Wright, 1887-1892.

Chair of Biology.

Professor.

R. Ramsay Wright, 1892-1912.

Professor of Zoology.

B. A. Bensley, 1914-

Associate Professors.

B. A. Bensley, 1906-1914.
W. H. Piersol, 1910-

Assistant Professor.

E. M. Walker, 1913-

Chair of Physiology.

Professors.

A. B. Macallum, 1890-1904. T. G. Brodie, 1909-1916.
J. J. R. McLeod, 1918.

Professor of Physiology and Physiological Chemistry.

A. B. Macallum, 1904-1909.

Chair of Biochemistry.

Professors.

A. B. Macallum, 1909-1917. T. Brailsford Robertson, 1918.

Chair of Pharmacology and Therapeutics.

Professors.

James Thorburn, M.D., Edin., 1887-1892.
James M. MacCallum, 1892-1908.

Associate Professor.

C. F. Heebner, 1900-1903.

Associate Professor of Pharmacy and Pharmacology.

V. E. Henderson, 1909-

Chair of Therapeutics.

Professor.

R. D. Rudolf, 1908-

Chair of Ophthalmology, Otology, Laryngology and Rhinology.

Professor.

R. A. Reeve, 1887-1903.

Chair of Ophthalmology and Otology.

Professors.

R. A. Reeve, 1903-1914. G. H. Burnham, 1903-
G. S. Ryerson, 1903-1918. J. M. MacCallum, 1914-

Associate Professors.

G. H. Burnham, 1896-1903. J. M. MacCallum, 1909-1914.
Chas. Trow, 1905-1911.

Chair of Oto-Laryngology.

Professors.

G. R. McDonagh, 1903-1914. D. J. Gibb Wishart, 1914-

Associate Professors.

G. R. McDonagh, 1896-1903. D. J. Gibb Wishart, 1903-1914.
Geoffrey Boyd, 1913-1918.

Chair of Hygiene and Sanitary Science.

Professors.

Wm. Oldright, 1887-1910. J. A. Amyot, 1910-

Associate Professor.

J. G. Fitzgerald, 1913-

Chair of Toxicology.

Professor.

W. H. Ellis, 1900-

Associate Professor.

W. H. Ellis, 1897-1900.

Chair of Medical Jurisprudence.

Professors.

W. W. Ogden, 1887-1892. N. A. Powell, 1903-
Bertram Spencer, 1900-1903.

Associate Professor.

Bertram Spencer, 1896-1900.

Chair of Medical Psychology.

Extra-mural Professors.

Daniel Clark, 1887-1903. J. C. Mitchell, 1903-1906.
N. H. Beemer, 1900-

Professor.

C. K. Clarke, 1906-

Associate Professor.

Ernest Jones, 1912-1913.

Chair of Physics.

Professors.

James Loudon, 1887-1907. J. C. McLennan, 1907-

Associate Professors.

J. C. McLennan, 1905-1907.
E. F. Burton, 1911-

Assistant Professors.

L. Gilchrist, 1916-
J. Satterly, 1916-

Chair of Pathology.

Professor.

John Caven, 1892-1896.

Chair of Pathology and Bacteriology.

Professors.

John Caven, 1896-1900. J. J. Mackenzie, 1900-

Associate Professor.

J. A. Amyot, 1900-1910.

Professor of Clinical Pathology.

H. B. Anderson, 1903-1905.

Chair of Preventive Medicine.

Professor.

Charles Sheard, 1903-1911.

Chair of Pathological Chemistry.

Professors.

J. B. Leathes, 1909-1915.

Andrew Hunter, 1915-

INFORMATION FOR STUDENTS IN MEDICINE.

1. The thirty-third session since the re-establishment of the Faculty of Medicine of the University of Toronto will commence on Tuesday, the 30th of September, 1919.

2. The Degrees in Medicine are Bachelor of Medicine (M.B.), and Doctor of Medicine (M.D.).

BACHELOR OF MEDICINE.

3. Candidates for the degree of Bachelor of Medicine are required to matriculate and to attend during six sessions of at least eight months each the courses of instruction presented, and to pass six examinations taken in the following order: The First at the end of the first session; the Second at the end of the second session; the Third at the end of the third session; the Fourth at the end of the fourth session; the Fifth at the end of the fifth session; and the Sixth at the end of the sixth session.

ENTRANCE.

4. Candidates for the degree must pass the Matriculation examinations unless they (1) possess a degree in Arts, not being an Honorary Degree, from any Dominion or British University; or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University; or (3) possess a certificate of entrance into the Faculty of Education.

5. Students are required to complete matriculation before being admitted to the course in Medicine.

6. No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

REGISTRATION.

7. Students entering the University are required to submit the certificates, on which they claim standing, to the Registrar of the University before being permitted formal registration with the Secretary of the Faculty.

It should be understood that the programme and regulations regarding courses of study and examinations contained in this Calendar, hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole six years of a student's course, to the conditions here laid down.

SPECIAL NOTICE.

The Senate of the University of Toronto has determined that the increase in the length of the undergraduate course in Medicine from five to six years will go into effect in the Autumn of 1919 (Session 1919-1920). All students entering on and after this date will be required to proceed in the Six Years' Course, with the exception of those who have been prevented from entering their course during the war on account of their having been on Military Service. Such students desiring to proceed in the Five Years' Course should forward their request to the Secretary's Office accompanied by a statement of their military service.

8. Registration for Clinical classes begins on September 30th and under no circumstances will any student be signed up before that date. Registration will not be accepted by letter, neither is one student permitted to sign for another, but each must register in person.

9. No student shall be allowed to register in the Faculty of Medicine after the first day of term of any year, and must be in actual attendance from the date of registration, and no student shall be admitted to any laboratory or clinical course after that date, except at the discretion of the instructor concerned. Any student desirous of repeating any year more than once must obtain the permission of the Faculty Council before being allowed to do so.

10. Regular attendance in all the courses of the year shall be required as well as a satisfactory repetition of the work of each course from any student who may be repeating his year.

11. Candidates who have been conditioned in one or more subjects at the Annual examinations and again fail in the subjects at the Supplemental examinations in the autumn, and who are thereby prevented from registering in the next succeeding year, shall be required to repeat the subject or subjects in which they have been conditioned before they can again present themselves for examination. In addition to the subject or subjects a student is required to repeat, he must also present certificates of having done satisfactory work in at least two subjects in addition to those he is required to take, either of the year in which he has been conditioned or in the succeeding year.

12. *A student who has attended the course of instruction in any year will be required to complete the examinations for that year before he will be permitted to register in the succeeding year.*

ANNOUNCEMENT REGARDING SIX YEARS COURSE.

Attendance.

13. Candidates are required to attend lectures and receive practical instruction during each of the six years at this University.

14. The Senate may accept certificates of attendance at the lectures and practical instruction in the laboratories of affiliated and other recognized institutions.

15. A student who fails to do satisfactory term work in any subject is not permitted to present himself for examination, either theoretical or practical, until he is able to present satisfactory certificates of term work completed. A student who for any reason may be required to repeat his year, must repeat his attendance at all the courses of the year and must produce evidence of having satisfactorily repeated the work of each course.

16. In cases of students applying for temporary positions in hospitals or for *locum tenens* to physicians the permission of the Faculty Council

must be obtained before they will be allowed to absent themselves from the lectures and laboratory work of the University.

The students of the Fifth Year are forbidden to accept house positions at the Hospitals during the period they are engaged in the work on Specialties, excepting only positions in the Obstetrical Hospital, such appointments to be held only during the five weeks that they are engaged in the work of Obstetrics and Gynaecology.

FEES FOR INSTRUCTION.

Regular Students in Medicine.

17. All University fees are payable to the Bursar, at his office in the Main University Building, between the hours of ten and one o'clock, except on Saturday.

18. *Regular Students.* First, Second, Third, Fourth, Fifth and Sixth Years—Annual Fee, including tuition, library, laboratory supply, hospital* and one annual examination—

If paid in full on or before November 10th	$150.00
By instalments—	
First instalment, if paid on or before November 10th	75.00
Second instalment, if paid on or before February 10th	78.00

19. *Combined Courses in Arts and Medicine.*

Annual Fee, including college registration, library, laboratory supply, and one annual examination:

	Arts Fees.	Medical Fees.	Total.
First Year Arts	$58.00		$58.00
Second Year Arts	58.00		58.00
Third Year Arts and First Year Medicine	59.00	$85.00	144.00
Fourth Year Arts and Second Year Medicine	62.00	85.00	147.00

The fees for the Fourth, Fifth and Sixth Years in the Faculty of Medicine are as for regular students.

Payment of the Medical portion of the fees—	
If paid on or before November 10th	$85.00
By instalments—	
First instalment, if paid on or before November 10th	43.00
Second instalment, if paid on or before February 10th	44.00

20. *Repeating the Year.*

If paid in full on or before November 10th	50.00

*The composite fee of $150.00 includes one session's clinical facilities at the Toronto General Hospital, St. Michael's Hospital, or Toronto Western Hospital, and the Hospital for Sick Children, but does not cover the midwifery ticket for the Burnside Lying-in Hospital, which must be obtained there.

21. The following fees for *Occasional and Post-Graduate Students* have been instituted—

(1) That candidates for a higher degree in Medicine, or graduates conducting research work, be required to register and pay a fee of $5.00.

(2) That graduates or undergraduates wishing to repeat any undergraduate course in Medicine be charged $20.00 per course.

(3) Students in Dentistry taking a course in Anatomy will be required to pay a fee of $20.00.

(4) Students who are required to take the Summer Course in one of the Clinical subjects, will be charged a fee of $20.00 per course; those taking three or more courses will be charged $50.00.

22. All of the above fees are payable in advance. After November 10th, a penalty of $1.00 per month will be imposed until the whole amount is paid. In the case of payment by instalments the same rule as to penalty will apply. A student will not be admitted to any of the University lectures or laboratories who is in arrears for his fees.

23. *General Fees.*

Matriculation, or registration of Matriculation	$5.00
Supplemental examinations	10.00
Admission *ad eundem statum*	10.00
Degree of M.B.	20.00
Degree of M.D.	20.00
Admission *ad eundem gradum*	20.00

In the case of candidates for the Final Examinations, the fee for the degree must be paid to the Bursar not later than the 20th of March.

STUDENTS COUNCIL FEE.

The Annual Fee	$2.00

Every male student in attendance, proceeding to the Degree of Bachelor of Medicine, is required to pay to the Bursar at the time of the entry of his name with the Secretary, the annual fee of two dollars for the maintenance of the Council of the Undergraduates.

Every woman student in attendance, proceeding to the Degree of Bachelor of Medicine, is required to pay to the Bursar at the time of the entry of her name with the Secretary, the annual fee of two dollars, in order to secure for the Women Students' Administrative Council sufficient funds to carry on the work of their Council, including joint financial responsibility with the Men's Student Administrative Council in the publication of "Varsity" and "Torontonensis" and the payment of a General Secretary-Treasurer for the Women's Council.

INSTRUCTION.

24. The course of instruction given by the Faculty of Medicine consists of six sessions of eight months each, preparing students for the degree of M.B. and for becoming general practitioners of Medicine.

25. The course is so framed that the requirements of the various Provincial Licensing bodies are fulfilled and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British Medical qualification in addition to a Canadian one.

26. During the early years an effort is made to give the student a scientific foundation for the work which he takes up in the latter part of his course. In each of the scientific departments, however, the fact that the student is about to become a general practitioner is particularly kept in view, and the student's work in the primary subjects is but a means towards an end.

27. In the First Year of the Six Years Course instruction in the subjects of Chemistry (Organic and Inorganic), Physics, Biology, is given by both laboratory and didactic methods. In Physics, a course will be given in physical measurements. A course of lectures will be delivered on the relation of Science to civilization and another on English expression.

28. In the Second Year of the Five Years Course the major part of the subjects of Anatomy, Physiology and Biochemistry is presented to the student; the subject of Histology is completed; and a course in Bacteriology is given.

29. During the Third Year of the Five Years Course an attempt is made to bridge the gap which so commonly exists between the primary scientific and the final clinical subjects, by taking up Anatomy and Physiology at the same time as Surgery and Medicine throughout the year. Preliminary courses in Pathology and Pathological Chemistry are given during the Easter term. Instruction is also given in Pharmacology. A series of ten lectures upon Psychology is delivered in this year. Particular attention is paid during this year to teaching the student the methods of physical examination of both Medical and Surgical cases.

30. In the Fourth Year of the Five Years Course the student devotes all his morning and one afternoon a week to clinical work at the various Hospitals. He spends the remainder of his afternoons at didactic lectures and at laboratory work in Pathological Histology and Gross Pathology. The clinical instruction is so directed as to prepare the student to undertake the complete physical examination of any patient, the greater part of his time being occupied with Medical and Surgical cases. In this year the student is introduced to the subjects of Obstetrics, Gynaecology, and the specialties of the Eye, Ear, Nose and Throat. Several weeks are spent in the study of Paediatrics and Orthopaedic Surgery at the Hospital for Sick Children. Lectures are also delivered during the year in Special Pathology, Therapeutics, Surgical Anatomy, Medical Jurisprudence, Toxicology and Hygiene.

31. During the Fifth Year of the Five Years Course the student devotes one period of ten weeks to Clinical Medicine (including Pædiatrics and the study of Tuberculosis); one of ten weeks to Surgery (including Genito-Urinary Surgery) and Surgical Pathology; and one period of five weeks to

Obstetrics and Gynæcology, and one of five weeks to Clinical Therapeutics, Ophthalmology, Oto-Laryngology, Dermatology, Infectious Diseases, Neurology and Psychiatry. Those students whose work and standing justify it, will be given special advanced courses of laboratory work in Pathology and Pathological Chemistry or some special instruction in one of the clinical departments. Clinical lectures in Medicine, Surgery and special subjects, Pathological Conferences, and short courses of lectures on Anaesthesia, Dentistry, Medical Ethics, History of Medicine, and Life Insurance are also given in the Fifth Year.

SUBJECTS OF INSTRUCTION.

32. FIRST YEAR.

1. Biology.
2. Chemistry (Inorganic and Organic).
3. Physics.
4. Mammalian Anatomy.
5. Embryology.
6. Histology.
7. Anatomy (Osteology).

33. SECOND YEAR.

1. Anatomy.
2. Physiology.
3. Biochemistry.
4. Histology.
5. Bacteriology.

34. THIRD YEAR.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology.
5. Pathological Chemistry.
6. Clinical Laboratory Methods.
7. Medicine and Clinical Medicine.
8. Surgery and Clinical Surgery.
9. Psychology.
10. Therapeutics.

35. FOURTH YEAR.

1. Medicine and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Topographical Anatomy.
4. Pathology.
5. Pathological Chemistry.
6. Obstetrics and Gynaecology.

7. Hygiene and Preventive Medicine.
8. Medical Jurisprudence.
9. Toxicology.
10. Psychiatry.
11. Paediatrics, Orthopaedics.
12. Ophthalmology.
13. Oto-laryngology.
14. Therapeutics.

36. FIFTH YEAR.

1. Medicine and Clinical Medicine.
2. Paediatrics.
3. Surgery and Clinical Surgery, Genito-urinary Surgery.
4. Pathology.
5. Obstetrics and Gynaecology.
6. Ophthalmology.
7. Oto-laryngology.
8. Therapeutics.
9. Dermatology.
10. Psychiatry.
11. Neurology.

SUMMER COURSES IN CLINICAL SUBJECTS.

37. For students only who have been conditioned in Clinical subjects, summer courses in the following subjects will be given during the months immediately preceding the Supplemental Examinations in September:

Clinical Medicine,
" Surgery,
" Obstetrics,
" Gynaecology,
" Ophthalmology,
" Oto-Laryngology,
" Psychiatry.

These Courses will be taught at the Toronto General Hospital, St. Michael's Hospital and the Hospital for Sick Children.

(For information regarding fees for these Courses, see pages 36, 37).

SCIENCE COURSES FOR STUDENTS IN MEDICINE.

38. The special attention of students about to enter the undergraduate course in Medicine is directed to the new Science curricula in arts, providing two Special Courses adapted particularly as preparatory to the instruction given in the final years in Medicine. These courses are—(1) The Biological and Physical Sciences Course and (2) The Physiological and Bio-Chemical Course. A student who proceeds to the degree of B.A., by either of these

courses, may, immediately after graduation, enter the Third Year in Medicine, but after completing the Fifth Year of the Medical Course, present himself for the degree of Bachelor of Medicine. It is thus possible for a student to obtain the degrees of Bachelor of Arts and Bachelor of Medicine after seven years' study at the University.

39. In the curricula of the two Arts Courses the Science subjects are treated much more extensively than they are in the Medical curriculum and in either course along one of two lines. In the Biological and Physical Sciences Course emphasis is laid on the structural and developmental features of animal life and on oecology and parasitology. In the Physiological and Biochemical Course special attention is given to the functional, chemical and other phenomena of living matter.

40. The Biological and Physical Sciences Course completes the requirements of the First two years in Medicine with the exception of Bacteriology of the Second Year. The course in Physiology and Biochemistry completes the requirements of the curriculum of the first three years in Medicine as to Primary subjects, with the exception of Bacteriology of the Second Year.

41. These courses not only afford opportunities for a broader training and greater scientific attainment than is possible in the six years' course in Medicine, but they fit the student for a much wider field of usefulness after graduation. The graduate who has taken one of the Science Courses in Arts and subsequently the Course in Medicine is qualified to devote his life to one of the purely scientific lines of Medicine, if he should so elect, after leaving the University, and, moreover, he is, undoubtedly, better fitted to practise his profession should he desire to prepare himself for that alone.

42. Students who proceed to the Arts degree through other Science Courses may, on entering the Faculty of Medicine, be allowed exemption from such subjects in Medicine as they have taken in the curricula of the Faculty of Arts.

B.Sc. COURSE.

43. The degree of B.Sc. (Med.) has been added to the curriculum in Medicine so as to encourage scholarship and give official recognition to students who have done exceptionally well in the introductory medical sciences.

44. QUALIFICATIONS.

1. Medical students who have reached the end of the third year or subsequent years of their course, and who have maintained a standard to be subsequently determined in all of their classes, may become candidates for the degree provided: (1) They spend one year longer (a fourth year) in the introductory medical sciences in groups of courses which will be mapped out on the general basis that the

greater proportion of time is spent in one department of the introductory medical sciences, and the lesser proportion in adjunct departments. These students would also, except in the case of those entering with senior or honour matriculation, be required to show facility in reading one modern language besides English, and to take sometime during the four years the two years optional course in Mathematics for medical students, or General Biology.

2. Graduates in Medicine irrespective of the standard of their entrance requirements, who have maintained a satisfactory standard throughout their entire medical course, may become candidates for the degree provided: (1) They spend one additional year in work in some laboratory department of this University (including those of the clinical years) and carry out a piece of research to the satisfaction of the head of the department. (2) They acquire facility in reading one modern language besides English. Medical graduates who return to laboratory departments as fellows or demonstrators will be eligible for the B.Sc. degree, but the successful prosecution of a piece of research is essential.

EXAMINATIONS.

45. The annual examinations are styled the First, Second, Third, Fourth, Fifth and Sixth examinations, and are to be passed at the end of the First, Second, Third, Fourth, Fifth and Sixth academic years respectively.

46. The Annual examinations are held in May, and the Supplemental examinations in September. Candidates who have been conditioned in one or more subjects at the annual examinations and again fail in the subjects at the Supplemental examinations in the autumn, shall be required to repeat the subject or subjects in which they have been conditioned before they can again present themselves for examination. In addition to the subject or subjects a student is required to repeat, he must also present certificates of having done satisfactory work in at least two subjects in addition to those he is required to take, either of the year in which he has been conditioned or in the succeeding year.

47. A minimum of fifty per cent. in each subject is required to pass, and seventy-five per cent. for honours. Candidates at the First and Second examinations who have passed in the majority of the subjects required, and candidates of the Third, Fourth and Fifth Years who have passed in all but three subjects, may present themselves at the Supplemental examinations next ensuing, in the subjects in which they failed (provided they have complied with the regulations respecting clinical work) and on passing at such examinations, shall be allowed their year.

48. A candidate failing in First, Second or Third Years shall not be allowed to take supplemental Examinations in the Autumn, but shall be required to repeat the year in which he has failed, except on special recommendation of the Board of Examiners, their recommendation to be

made at the time of the examiners' meeting of the Annual Examination. A candidate of the Fourth, Fifth or Sixth Years who has failed to pass in the required number of the subjects at one annual examination, and has either not presented himself or has failed to pass in all subjects in the next ensuing supplemental examination, must repeat his attendance at all courses of the year and must produce evidence of having satisfactorily repeated the work of each course, before he will be allowed to again present himself for examination.

49. A candidate failing in Medicine, Surgery or other Clinical subjects at the annual examinations shall be required to take a course of additional instruction provided by the Faculty of Medicine in the subject or subjects in which he has failed, before being again admitted to examination. The length of the term of additional study in each case of failure will be specified by the Board of Examiners in making their returns at the Annual Examinations.

50. Undergraduates below the standing of the Sixth Year, who have been rejected or who have been prevented from attending the annual examinations, by sickness, domestic affliction, or other causes beyond their control, may present themselves for examinations at the Supplemental examinations in September.

51. Candidates who failed to attend at the annual examinations must prove to the satisfaction of the President before presenting themselves in September, the existence and sufficiency of the alleged cause of absence.

52. Undergraduates of the Sixth Year who have failed in not more than three subjects may present themselves for examination in the said subjects at the Supplemental examinations in September.

53. In the case of Graduates or Undergraduates in Natural Sciences or Biology, certificates of attendance on the second course of Practical Anatomy and on the second course of fifty lectures on Anatomy may be presented with the certificates of attendance on the lectures of the Third Year.

54. No application from a student for aegrotat standing shall be entertained unless he has gained 50% of the laboratory or term marks in all departments of his course, or has been granted exemption from the same. Except under unusual conditions a special examination of the candidate shall be held. Such examination, if possible, must be held previous to the final meeting of the Board of Examiners.

ADMISSION TO EXAMINATIONS.

55. A candidate will not be admitted to an examination unless he has paid all the fees due from him.

56. A candidate who sends his application for examination after the day appointed for the receipt of such application must pay an additional fee of one dollar.

57. No candidate in a course involving practical work in a laboratory

will be admitted to examination if the Professor under whom his work is carried on reports in writing to the Secretary that he has not done satisfactory laboratory or clinical work or has signally failed in the practical examinations. No candidate in the First Year shall be permitted to present himself at the annual examinations until a report that he has obtained satisfactory standing in his laboratory work and in term examinations is presented to the Secretary's Office by the Heads of the Departments of Biology, Chemistry and Physics.

58. Every undergraduate who proposes to present himself at an examination must send to the Secretary a statement (according to a printed form which will be furnished) of the course he is taking, whether he intends to compete for Honours, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement. At the Sixth examination, the candidate is required to submit the following certificates—

(1) Of having conducted at least twenty labours.
(2) Of proficiency in vaccination.
(3) Of having attended fifteen autopsies.

Students of the Sixth Year shall only be eligible to take off their required number of Obstetrical cases in the hospitals during the time that they are attending Obstetrical clinics.

59. The work in the laboratories and in the wards of the hospitals during the session is an essential part of the instruction and will be considered in determining standing at any examination.

60. Before admission to examination the candidate is required to submit evidence of having complied with the regulations respecting attendance upon didactic, laboratory, and clinical work in each of the subjects of instruction for the year in which he seeks examination. A certificate is issued by the University, and must be signed by the head or heads of each department of instruction.

SUBJECTS OF THE FINAL EXAMINATIONS.

61. First Examination.

1. Biology (including Embryology, Histology and Mammalian Anatomy).
2. Chemistry.
3. Physics.

62. Second Examination.

1. Anatomy.
2. Physiology.
3. Biochemistry.
4. Histology.
5. Bacteriology.

63. THIRD EXAMINATION.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology and Pathological Chemistry.

If the term work and examination in Medicine and Surgery are not satisfactory, students of the Third Year will be required to attend the Summer course in Clinical work and pass a satisfactory examination at the Supplemental Examination.

NOTE.—The oral examination in General Anatomy will be held at the end of the Michaelmas term.

64. FOURTH EXAMINATION.

1. Clinical Medicine, including Clinical Laboratory work.
2. Clinical Surgery and Topographical Anatomy.
3. Pathology and Pathological Chemistry.
4. Obstetrics and Gynaecology.
5. Hygiene and Preventive Medicine.
6. Medical Jurisprudence and Toxicology.
7. Therapeutics.

65. FIFTH EXAMINATION.

1. Medicine, including Paediatrics and Clinical Medicine.
2. Surgery and Clinical Surgery.
3. Pathology.
4. Obstetrics and Gynaecology.
5. Clinical Ophthalmology.
6. Clinical Oto-Laryngology.
7. Clinical Therapeutics.

The final standing of students in Ophthalmology, Oto-Laryngology, and Gynaecology may be determined by an examination at the end of the trimester in which the students have received their instruction in these subjects, but a student may postpone his examination until the end of the session.

EQUIVALENT HONOUR COURSES AND EXAMINATIONS.

66. The following Honour courses of instruction and examination in the Faculty of Arts are accepted in the place of courses of instruction and examinations in the Faculty of Medicine, subject to possible amendment during the present session, according to the subjoined scheme.

Faculty of Arts.		Faculty of Medicine.
1. First and Second Years Physics of the courses in Mathematics and Physics and in Natural and Physical Sciences	is accepted for	First Year Physics.
2. First Year *Biology	is accepted for	First Year Biology (General Biology).
3. Mammalian and Comparative Anatomy of Second Year Biological and Physical Sciences and Third Year Biology	is accepted for	First Year Biology, Mammalian and Comparative Anatomy
4. Histology and Cytology of courses in Third Year Biological and Physical Sciences	is accepted for	Histology of the Second Years
5. Embryology of Third and Fourth Years of courses in Biological and Physical Sciences and Biology	is accepted for	Embryology of the Second Year
6. Biochemistry of Third and Fourth Years of course in Biological and Physical Sciences	is accepted for	Biochemistry of Second and Third Years
7. Physiology of Third and Fourth Years of courses in Biological and Physical Sciences	is accepted for	Physiology of Third Year
8. Chemistry of First and Second Years of courses in Biological and Physical Sciences	is accepted for	Chemistry of First and Second Years

*Provided 50% has been obtained in the examination.

9. Anatomy of Third and Fourth Years of course in Biological and Physical Sciences..	is accepted for	Anatomy of the Second Year
10. Anatomy of the Second and Third Years of the Physiological and Biochemical course	is accepted for	Anatomy of the Second Year
11. Biochemistry of the Third Year in the Physiological and Biochemical course	is accepted for	Biochemistry of the Second and Third Years
12. Physiology of the Third and Fourth Years of the Physiological and Biochemical courses (including Physiological Neurology)	is accepted for	Physiology of the Third Year
13. First and Second Class Honours in the Physiological and Biochemical course	is accepted for	Honours in Physiology and Biochemistry

No applications or petitions for exemptions from classes, laboratory work or examinations will be received or considered unless filed at the Secretary's office on or before October 15th of any year.

EQUIVALENT EXAMINATIONS.

67. Courses of lectures and examinations in the Faculty of Arts are accepted in the place of courses of lectures and examinations in the Faculty of Medicine, according to the following scheme—

Faculty of Arts.		Faculty of Medicine.
1. The instruction and examinations of the Third Year in the Physiological and Biochemical course	equivalent to	The course and examinations in the Second Year except in Bacteriology
2. The instruction and examinations in the Fourth Year of the Physiological and Biochemical course	equivalent to	The course and examinations of the Primary Subjects in Medicine except in Bacteriology

3. The instruction and examinations in Physiology and Biochemistry of the Third and Fourth Years in the Biological and Physical Sciences	equivalent to	The course and examinations in Physiology and Biochemistry of the Second Year
4. The instruction and examinations of the Fourth Year of the course in Biological and Physical Sciences	equivalent to	The course and examinations in the Second Year, except Bacteriology

68. Candidates who desire to compete for scholarships and medals are required to submit to the annual examination in all the subjects of each examination, though otherwise entitled to partial exemption according to the preceding scheme; and candidates not competing for scholarships or medals, who are entitled to exemption according to the preceding scheme, will rank in Honours in these subjects.

HONOUR STANDING.

69. In the results of the examinations of each year, a list of those students who obtain an average of 75% in all subjects of the year and not less than 60% in any subject, shall be published as having obtained Honour Standing.

The names of those students who have obtained Honour Standing in the last two years of the course, shall in the graduating list be marked so as to indicate the fact that they have graduated with Honours.

ADMISSION AD EUNDEM STATUM.

70. Undergraduates of other universities applying for admission *ad eundem statum* must present certificates of having passed the examinations in the various subjects of this curriculum preliminary to the examination for which they desire to present themselves.

Application for Equivalent Standing.

71. Any student of another university who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is requested to send his application to the Secretary of the Medical Faculty together with—

1st. A statement of preliminary education with certificates.

2nd. A Calendar of the university in which he has studied, giving a full statement of the courses of study.

3rd. A complete statement of the course he has followed.

4th. A certificate of the standing gained, and of conduct. These will be submitted to the Faculty, who will decide what examinations may be necessary before admitting the candidate.

5th. No student in Medicine will be received by this University from other universities whose certificates for courses are not complete for the period prior to that at which he received standing in the University of Toronto.

DOCTOR OF MEDICINE.

72. A Bachelor of Medicine will be eligible for the degree of M.D. on the following conditions—

(1) At least one year must elapse between the date of conferring the degree of M.B. and that of conferring the degree of M.D.

(2) He must present an approved thesis embodying the results of an original research conducted by the candidate in any department of Medicine.

(3) The subject of the thesis must be submitted to the Registrar for the approval of the Board of Post-Graduate Studies at least five months before the degree is conferred.

(4) The degree may be conferred at any regular meeting of the Senate.

ADMISSION AD EUNDEM GRADUM.

73. A graduate of any of the universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

The George Brown Memorial Scholarship in Medical Science.

74. Dr. A. H. F. Barbour, of Edinburgh, having placed one thousand pounds sterling at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto—

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the Convocation for conferring degrees in Medicine to the Bachelor of Medicine who shall have distinguished himself most in the subjects of Anatomy, Biology, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

The award shall be made by a committee composed of the Professors in these subjects who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University on some subject bearing on the advancement of medical science—the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship is five hundred dollars ($500.00).

The Starr Medals.

75. The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals called the "Starr Medals", are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

George Armstrong Peters Scholarship.

76. The Scholarship will be awarded biennially to a graduate student of the University of Toronto on the recommendation of the Department of Surgery.

The first award was made in 1912 and the holder of the Scholarship will be required to undertake work in one of the Departments of the University which will have some special bearing on Surgery.

This Scholarship will be available for any graduate who wishes to do special research work in connection with the Department of Surgery or in correlated subjects.

A graduate wishing to obtain the Scholarship must apply to the Department of Surgery and present his credentials, and the award will be made on the recommendation of the Department.

The value of the Scholarship is two hundred dollars ($200.00).

A Prize.

77. A portion of the fund of the Reeve Post-Graduate Scholarship will be devoted to establishing a prize of $50.00, to be awarded annually for the best published report of work done in the laboratories by a research Fellow or junior member of the staff in any department in Medicine.

The award shall be made in September by a Committee composed of the Professors of Anatomy, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

Chappell Prize.

78. Dr. Walter F. Chappell, of New York, a graduate in the Faculty of Medicine of the University of Toronto, has established a prize of Fifty Dollars ($50.00) per annum to be awarded in alternate years to the best student of the final year in Clinical Medicine or Clinical Surgery. In June, 1920, the prize will be awarded in Clinical Surgery. This prize is awarded on recommendation of the Head of the Department.

The James H. Richardson Research Fellowship in Anatomy.

79. This Fellowship of the annual value of Five hundred dollars ($500.00) has been established in memory of the late Dr. James H. Richardson, for many years Professor of Anatomy in the University of Toronto. It is open to graduates in Medicine of the University of Toronto and of such other Universities and Medical Schools as may be approved by the Nominating Committee and to students in the University of Toronto who shall have completed the third year of the course in Medicine.

The fellowship is awarded on the nomination of a Committee consisting of the Professor of Anatomy, the Professor of Biology and the Professor of Surgery in the University of Toronto, and the holder of it is obliged, during its tenure, to devote his entire time to investigation in Anatomy under the direction of the Professor of Anatomy in the University of Toronto. The fellowship is tenable for one year, but the holder of it is eligible for re-appointment for not more than two additional years, at the discretion of the University Senate upon the recommendation of the Nominating Committee.

Applications for nomination to the Fellowship should be handed to the Professor of Anatomy not later than the first day of May of each year.

Research Medicine.

80. During the early months of 1913, on request, a number of business men subscribed to a fund for the promotion of Clinical and Laboratory Research work in the Department of Medicine. The fund has already reached upwards of $75,000.00; it is payable in five annual instalments.

The first aim is to establish one or more Fellowships annually, for the recent graduates. Each Fellowship is tenable for three years, and will be of the value of $750 the first year. In the meantime, two or more Senior Research Fellows are to be appointed, whose duty it will be to aid the Fifth Year students in their work and stimulate them to higher aims.

There has also been appointed an Assistant in charge of special research work in Tuberculosis, etc.

It is also hoped to have a sufficient fund to defray expenses of any approved research work that may be offered.

RESIDENCE FOR MEN.

By the generosity of Mr. and Mrs. E. C. Whitney and other friends, the University can now offer to some hundred and fifty men the peculiar

advantages of residential life and excellent accommodation within its own grounds. The Residence, opened in November, 1908, consists of three Houses situated on the north side of Hoskin Avenue, opening upon a quadrangle the fourth side of which is formed by Devonshire Place. They stand about two hundred yards to the north of University College and of the University Dining Hall and close to the University Gymnasium and Athletic Field. The buildings are known as the South, East and North Houses.

Each house contains twenty-four single rooms, one single suite, one double room and eleven suites, a suite comprising a study and two bedrooms. A large room in each building, with an open hearth and a library has been set aside as a common room. A lavatory with hot and cold shower baths is provided for every eight men. The buildings are heated by steam and lighted by electricity.

The University supplies the table, chairs, book-case, chiffonier, bed, mattress, pillows, linen and window shades for each room; it is prepared to furnish a drop-light for a nominal rent.

Each occupant is charged $3.00 room-rent per week, payable to the Bursar four weeks in advance. The charge for each single suite is $4.00 per week. These charges cover heat, light, house-service, house-laundry, and the use of the telephone. There is no separate dining hall connected with the Residence, but board may be obtained at the adjacent University Dining Hall for $4.50 per week.

Applications for rooms must be made in writing to the Secretary of the Residence Committee (address the Registrar's Office) and must be accompanied by a deposit of $5.00. This deposit will be returned if the application be not granted, but will be forfeited if a room be assigned to the applicant and not taken by him, unless notice of his refusal of the room be received by the Secretary in writing before September 8th. It will be returned in full at the end of the College year if the room key be given back and the room and furniture left in a satisfactory condition. The following principles govern the allotment of rooms: (i) In order to be assigned a room in the Residence, either before or during the session, a student must have obtained standing at the previous spring examination, with not more than *one* condition against him. (ii) The rooms in each House will be distributed between the various Faculties and Years. (iii) A limited number of rooms will be reserved for members of the incoming First Year until September 18th. (iv) Applications will be considered in order of priority.

The University lays down three general rules, designed to prevent hazing, the use of intoxicants and gambling. The students in each House shall elect a House Committee, which is entrusted by the University with the making and enforcing of any other needed rules and with the maintenance of order. A member of the Faculty resides in each House to act as friend and adviser to the men in residence.

CURRICULUM FOR THE DIPLOMA OF PUBLIC HEALTH.

1. The University provides a Diploma in Public Health (D.P.H.) on the conditions hereinafter detailed.

2. Candidates for the Diploma must be graduates in Medicine of this University or of some other University recognized for this purpose by the Senate.

3. The curriculum leading to the Diploma shall extend over one Winter Session of eight months and one Summer Session of three months.

4. The Winter Session shall be devoted to Laboratory work in

a. Sanitary Chemistry.
b. Bacteriology.
c. Parasitology.

and to courses in

d. Advanced General Hygiene.
e. Advanced General Pathology, including Theory of Immunity and Comparative Pathology.
f. Elements of Geology, Meteorology and Climatology, in their relation to Public Health.
g. Sanitary Engineering.
h. Sanitary Legislation and Vital Statistics.
i. Clinics on Contagious Diseases.
j. History of Preventive Medicine and Epidemiology.

5. The Summer Session shall be devoted to a course of practical work in Public Health under the supervision of the Provincial Board of Health, including the methods of dealing with infectious diseases, inspection of schools and other public buildings, factories and dairies, inspection of water supplies and sewage disposal plants and other forms of municipal sanitation.

6. At the conclusion of the Winter Session an examination will be held on the subjects of the curriculum in Public Health specified in paragraph 4, the passing of which shall be a necessary preliminary to entering upon the practical course indicated in paragraph 5.

7. Candidates who have passed the examination and who present from the Provincial Board of Health a certificate of efficiency in the subjects specified in paragraph 5, will be granted the Diploma of Public Health.

8. The fees for the Course shall be $150, payable in two instalments of $75. each at the beginning of the Winter Session and the Summer Session respectively. The fee for the Diploma shall be $20.

9. Up to and including 1907, graduates in Medicine who have acted as Medical Health Officers for a period of two years may present themselves for the examination referred to in paragraph 6 without preliminary attendance on the Courses of Instruction. For such candidates the fee for the Diploma shall be $100.

CURRICULUM IN DENTISTRY.

DEGREE OF DOCTOR OF DENTAL SURGERY.

Matriculation.

Candidates for the degree of Doctor of Dental Surgery must pass the Matriculation Examination hereinafter mentioned, unless—

1. They possess a degree in Arts (not being an Honorary Degree), from some recognized University; or

2. Have already matriculated in the Faculty of Arts in this or some other University in Canada; or

3. Are Matriculants in the College of Physicians and Surgeons of Ontario; or

4. Have passed the Normal Entrance or Entrance to the Faculty of Education examinations in which the Latin option has been taken, it being understood that the equivalent examinations under titles no longer in force will be accepted.

The regulations respecting the acceptance *pro tanto* of the certificates of other Provinces, as defined in the Curriculum for Junior Matriculation are applicable to candidates in Dentistry.

5. Have passed an examination and received a certificate which is accepted by the General Medical Council of Great Britain for Registration as a student of Medicine or Dentistry.

Candidates not possessing any of the above-named qualifications will be required to pass the examination prescribed for matriculants in the Faculty of Arts in this University.

Candidates for the degree must matriculate before writing on any of the subjects prescribed for final examination.

Undergraduates.

1. Undergraduates (candidates for the final examination for the degree) matriculants in the Royal College of Dental Surgeons, an affiliated College of the University, and proceeding to graduation therefrom, must have complied with all the requirements prescribed from time to time, by the Board of Directors of the Royal College of Dental Surgeons of Ontario for admission to examination for a Certificate of License to practise Dentistry in Ontario, provided always that these requirements shall include attendance on at least four full courses of lectures, and laboratory and clinical instruction, embracing all the subjects of the curriculum, of not less than seven months each, except in the case of students who have already graduated in the Faculty of Arts (B.A. or M.A.), or the Faculty of Medicine (M.B. or M.D.), or the Faculty of Science (B.A.Sc. or B.Sc.), of a Canadian or other recognized University, who may complete the course in Dentistry in three years instead of four.

2. Persons holding the L.D.S. Certificate, granted by one of the Medical authorities of Great Britain, and persons holding the B.D.S. Degree of Melbourne University, Australia, will be admitted as undergraduates in the Department of Dentistry without further examination, and to the final examinations of the degree of D.D.S., on completing one full session at the School of Dentistry of the Royal College of Dental Surgeons of Ontario, and payment of the proper fees.

3. Undergraduates (candidates for examination for the degree), not coming under the provisions of either of the two preceding sections, must have been engaged in the study of Dentistry for four academic years, and have attended four full courses of lectures and laboratory and clinical instruction, embracing all the subjects of the Curriculum, of not less than seven months each, at a School of Dentistry recognized by this University, the last of which must have been at the School of Dentistry of the Royal College of Dental Surgeons of Ontario.

Examinations.

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provisions be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Candidates for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination.

The subjects for intermediate examinations shall be:

(*a*) Comparative Dental Anatomy.
(*b*) General and Dental Histology.
(*c*) Bacteriology.
(*d*) Anatomy.
(*e*) Physiology.
(*f*) Chemistry.
(*g*) Dental Technic.
(*h*) Theory of Operative Dentistry.
(*i*) Theory of Prosthetic Dentistry.
(*j*) Dental Materia Medica.

The subjects for final examination shall be:

(*a*) General Anatomy and Special Anatomy of the Head and Neck.
(*b*) Physiology.
(*c*) Surgery and General Pathology.
(*d*) Chemistry.
(*e*) Medicine, Physical Diagnosis, and Anaesthetics.
(*f*) Theory and Practice of Operative Dentistry, Dental Pathology.
(*g*) Theory and Practice of Prosthetic Dentistry.

(*h*) Science and Practice of Dentistry.
(*i*) Orthodontia.
(*k*) Dental Materia Medica and Therapeutics.
(*l*) The Jurisprudence, Ethics, and History of Dentistry.
(The above examinations will be written.)
(*m*) Practical Operative Dentistry.
(*n*) Practical Prosthetic Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratories of the College.

Annual examinations in April, and supplemental examinations in September, will be conducted under the joint auspices of the University and the Royal College of Dental Surgeons of Ontario.

Regular students of the Royal College of Dental Surgeons proceeding to the degree of D.D.S. may take the final examination in any subject at the close of the session in which it is completed in the College.

Candidates will be credited at the Annual and Supplemental Examinations for term work and term examination, conducted by the Professors in the several subjects, in the proportion of 30 to 70.

No candidate shall be considered as having passed on any paper unless he has obtained 50 per cent. of the marks allotted to the paper.

Equivalent Examinations.

Examinations in the Faculty of Arts in the Department of Natural Science, Division I., are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows:

(*a*) Physiology and Chemistry of the Second Year for the Physiology and Chemistry of the intermediate examinations.

(*b*) Histology of the Fourth Year for the General Histology and Bacteriology of the intermediate examinations.

(*c*) Chemistry of the Third Year and Physiology of the Fourth Year for Chemistry and Physiology of the final examinations.

(*d*) On application to the Senate, similar credits may be given for similar examinations passed in the Faculty of Arts or the Faculty of Medicine of other Universities.

Fees.

The fee for examination for matriculation, in whole or in part, or for registration of any certificate accepted in lieu of examination, shall be five dollars.

The fee for final examination shall be ten dollars, which shall be paid before writing on any subject of the final examination.

The fee for supplemental examination in one or more of the final subjects shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars, which shall be paid before writing on the examination of the final year.

No fee shall be charged for transference from any Faculty of the University to the Department of Dentistry.

The fee for admission ad eundem gradum shall be twenty dollars.

Concurrent Course in Medicine and Dentistry.

Students who are matriculants in the Faculty of Medicine and in the Department of Dentistry may take a concurrent course in Medicine and Dentistry, which will extend over seven years.

Students taking this course will pass the regular University examinations in the subjects of the Medical Curriculum from year to year as they are completed in the Medical Faculty and in the final Dental subjects of the curriculum in Dentistry, from year to year as they are completed in the Royal College of Dental Surgeons.

Students taking this concurrent course, who have fulfilled all the requirements for the degree of M.B., and who have successfully passed the examination in the Dental subjects of the curriculum in Dentistry, including Dental Materia Medica and Therapeutics, shall receive the degree of D.D.S.

The fee payable to the University shall be $50 per year for the first four years, and $150 per year for the last three years, and the several laboratory fees.

COURSES OF LECTURES.

METHODS OF INSTRUCTION, WINTER SESSION, 1919-1920.

CHEMISTRY.

Professor: W. R. LANG.

Professor of Physical Chemistry: W. LASH MILLER.

Associate Professor: F. B. KENRICK.

Associate Professor of Organic Chemistry and Secretary of the Department of Chemistry: F. B. ALLAN.

Lecturer: W. S. FUNNELL.

Assistants: W. R. FETZER, E. I. FULMER, A. L. MARSHALL, M. E. SMITH, L. E. WESTMAN.

All lectures and practical work will be given in the Chemistry Building.

Second Year.

Lectures—A course of lectures given twice a week on Organic Chemistry.

Practical Chemistry.—A special laboratory course to accompany the above lecture course will be given during the Easter Term.

(The second year course in chemistry will not be given in the year 1919-1920.)

Students working in the laboratory are provided with the necessary apparatus on making a deposit of four dollars at the commencement of the session, which will be returned at its close after the following charges have been deducted from it—

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

Text-books:—Modern Inorganic Chemistry, Mellor; Inorganic Chemistry, Newth; General Chemistry for Colleges, Alex. Smith; Organic Chemistry, Norris; Physical Chemistry for Physicians and Biologists, Cohen and Fischer; An Elementary Laboratory Course in Chemistry, Kenrick and DeLury; Outlines of Qualitative and Quantitative Analysis, Lang.

Books of reference recommended:—Inorganic Chemistry, Richter; Organic Chemistry, Richter.

PHYSICS.

Professor and Director of the Physical Laboratory: J. C. McLENNAN.

Associate Professor: E. F. BURTON.

Assistant Professors: L. GILCHRIST, J. SATTERLY.

Demonstrator: H. A. McTAGGART.

Assistant Demonstrators: Miss E. BISHOP, R. C. DEARLE, Miss A. W. FOSTER, Miss I. B. GILES, S. McLEAN, Miss M. I. MACKEY, Miss H. C. MILLAR, E. R. PRATT, Miss F. M. QUINLAN, J. C. THOMPSON, W. F. TWISS.

The work of instruction on Physics consists of a series of lectures and a course in practical work in the laboratories.

First Year.

Lectures.—The lectures on Physics will not only give a concise outline of the subject, but are intended to form a satisfactory foundation for future study in other branches of science.

A course of lectures on Practical Mathematics for students of Physics will be given one day a week during the whole year. The lectures will deal with the best methods of conducting experiments in order to get results of the desired degree of accuracy, the methods of taking averages, probable errors in the measurements, approximations, simplified arithmetic, percentage error of the results obtained. Each lecture will be followed by one hour on the practical application of the principles dealt with in the lecture.

There will be three lectures in Physics per week during the year; one lecture each week bears directly on the practical work assigned to the student, while the other two lectures each week are part of a course dealing more particularly with the principles of Physics of special use to students of Medicine. The following is an outline of the work covered:

1. MECHANICS.

Measuring instruments, length, volume, weight, force, forces in equilibrium, moment of a force, centre of gravity, machines, velocity, acceleration, momentum, force (considered statically and dynamically), work, energy, power; calculations to illustrate the laws of mechanics, simple harmonic motion, the pendulum.

2. HYDROSTATICS AND HYDRODYNAMICS.

Fluid pressures and their transmission, specific gravity, the barometer, pumps, general properties of liquids and gases at rest and in motion, viscosity, capillary phenomena.

3. HEAT.

Thermometers, thermal expansions, calorimetry, specific heat, latent heat, change of state, vapour pressure, hygrometry, thermal conduction, radiation, laws of cooling, heat and energy.

4. PROPERTIES OF MATTER.

Kinetic theory of matter, structure of solids, liquids and gases, existence of molecules, elastic properties and various moduli of elasticity, viscosity of liquids and gases, surface tension and capillarity, changes of states from solids to liquids and gases, liquefaction of gases, critical temperature and critical pressure, production of low temperature, recent confirmation of the molecular theory, Brownian movement, colloidal solutions and their relation to body fluids, the atomic theory, conduction of electricity through gases, radioactivity and radiations.

5. SOUND.

General explanation of wave-motion, production, propagation, and detection of sound waves, reflection, absorption and interference of sound waves, resonance, tuning forks, organ pipes, vibrating strings and the musical scale, analysis of complex sounds, voice production.

6. LIGHT.

Laws of reflection and refraction, mirrors, prisms, lenses, microscope and telescope, dispersion, colour, spectroscopy, double refraction and polarisation.

7. ELECTRICITY AND MAGNETISM.

Laws of magnetism, static electricity, condensers, electrical conduction in solids, liquids and gases, voltaic cell, chemical, magnetic and heating effect of the electrical current, potential. Ohm's law and its applications, laws of electrical resistance, electromotive forces, induction, the induction-coil, high frequency currents, X-rays, electrical waves and radioactivity. Production of currents used in electrotherapy, galvanism, faradism, ionic and high frequency treatment, radiology.

Practical Work.—The Practical Work, consisting of a laboratory course of three hours designed to illustrate the principles dealt with in the lectures, will be conducted under the supervision of the Director of the Laboratory. In addition to the above, each student is required to attend a tutorial class, one hour each week, in the general work covered by the above course.

Regulations.—Deposit Fee: Each student taking the laboratory course is required to make a deposit of two dollars ($2.00) before beginning work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

Text-book: W. H. White, Hand-book of Physics.

Relation of Science to Civilization.

First Year.

Lectures.—Approximately one half of the assigned time of 60 hours will be devoted to a course of lectures designed to illustrate the influence which scientific thought and achievement have had on the development of modern civilization. The remaining half of the time will be devoted to conferences in which the collateral reading of the students will be reviewed in its relation to the subject matter of the lectures. These lectures will be given jointly by several lecturers, but the course as a whole will be under the general direction of Professor Huntsman.

Attendance and examination requirements are the same for this as for other courses of the first year.

EXPRESSION.

First Year.

Tutorial Classes.—In this course instruction will be given in the correct use of written and spoken English, and opportunity will be afforded each student to acquire experience in public speaking.

In order that the instruction may be as thorough as possible, the class will be divided into several groups, each of which will meet twice a week.

BIOLOGY.

Professor of Zoology: B. A. BENSLEY.
Associate Professor of Histology and Embryology: W. H. PIERSOL.
Associate Professor of Zoology: E. M. WALKER.
Lecturer in Vertebrate Embryology: A. F. COVENTRY.
Lecturer in Biology: W. A. CLEMENS.
Lecturer in Comparative Anatomy: B. S. CORNELL.
Temporary Assistant in Embryology: M. D. MCKICHAN.
Demonstrator: E. H. CRAIGIE.
Class Assistants: A. G. MCPHEDRAN, J. M. MACDONALD, J. H. COTTON, R. J. P. MCCULLOCH, A. ISAACSON, R. S. STONE, A. H. LEIM, G. S. EADIE, C. W. HARRIS.

First Year.

Lectures.—1. Students of the First Year will attend a course of lectures on General Biology, to be given twice a week throughout the session. This course of lectures is designed as an introduction to the whole range of Biological studies. After a sketch of the scope and objects of these, the lectures will treat (1) of the fundamental principles of Biology, as illustrated by the simplest animals and plants, (2) of typical forms of higher plants, in ascending order, (3) of typical forms of animals in a similar order, and (4) special reference will be made to those aspects of Biology of interest to students of Medicine.

2. A course of twenty-five lectures given in connection with the Practical Work of Course 1.

3. A course of twenty-five lectures on Embryology during the Easter term will be chiefly devoted to the development of the external form, organs, and tissues of the human body, but the necessary comparative data for the proper understanding of these will be supplied by reference to the embryology of the lower vertebrates. The student may consult the large collection of models of embryology in the Museum, which are now furnished with explanatory labels designed to supplement the instruction given in the lectures.

4. A course of twenty-five lectures on the principles of General Histology.

Practical Work.—1. A course of fifty hours' duration is given on General Biology, in which various types are studied, and which serves as an introduction to the use of the microscope.

2. A course of seventy-five hours on Mammalian Anatomy as an introduction to Human Anatomy is given during the Michaelmas term.

3. A course of fifty hours on General Histology.

4. A course of twenty-five hours in Embryology given from a selected series of specimens illustrative of the lectures on that subject—Course 3.

First Year, Six Years' Course.

Lectures.—1. Students of the First Year will attend a course of ninety lectures to be given three times a week during the session. The lectures will serve as an introduction to the biological fields in relation to medicine. The topics include (1) the general nature of living organisms and of cell processes, (2) the types of lower organisms of interest to students of Medicine, (3) the elements of comparative anatomy, and (4) biological principles as applied to man.

Practical Work.—2. A course of one hundred and eighty hours, comprising two three-hour periods per week, the materials of which are based as far as possible on Lecture course I. The work comprises microscope practice, elementary experimental studies on the nature of cell processes, types of lower organisms, and a selected list of vertebrates, including the elements of mammalian anatomy.

Second Year, Six Years' Course.

Lectures.—A course of fifteen lectures on the more intricate problems of Human Histology.

Practical Work.—A course of fifty hours in Special Human Histology. The student will have the opportunity of providing himself with a set of typical histological specimens.

Text-books: Biology: Parker, Bigelow.
Embryology: McMurrich, Manual of Embryology.
Mammalian Anatomy: Bensley, Practical Anatomy of the Rabbit.

Histology: Piersol, Normal Histology, 10th ed.; Böhm, v. Davidoff and Huber, Text-book of Histology, 2nd ed.; Bailey, Text-book of Histology, 3rd ed.; Jordan and Ferguson, Text-book of Histology.

Reference Text-books:—Embryology: Bailey and Miller, 3rd ed., Keibel and Mall. Histology: Schäfer, Text-book of Microscopic Anatomy (Quain's Anatomy, 11th edition; vol. II, pt. 1); Sobotta, Atlas of Human Histology.

PHYSIOLOGY (General Physiology).

Professor of Physiology: J. J. R. MACLEOD.
Assistant Professor of Physiology: F. A. HARTMAN.
Assistant Professor of Physiology: A. C. REDFIELD.
Demonstrator: MRS. LOIS FRASER.
Fellow: R. S. LANG.
Fellow: L. G. KILBORN.
Librarian: MRS. M. MCFARLANE.

The following courses of instruction each extending throughout the session are offered.

1. Systematic lectures; two a week during second and third years.
   a. General and neuro-muscular physiology.
   b. Physiology of circulation, respiration, digestion and secretion.
   c. Metabolism, the functions of the ductless glands and reproduction.
   d. Physiology of the central nervous system and special senses.
2. Advanced lectures; two a week (third year—optional).
3. General laboratory courses (total of 135 hours).
   a. Neuromuscular Physiology (second year).
   b. Circulation, respiration and digestion (second and third years).
   c. Nervous system and special senses (third year).
4. Demonstrations (arranged to supplement 1) one hour a week (second and third years).
5. Advanced laboratory courses (optional).
6. Research in Physiology.
7. Journal Club; one hour a week.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Physiology and Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Physiology, and the results of these, as well as his general work in the laboratory will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

Text-books and Works of Reference: — Manual of Physiology, G. N. Stewart; Physiology and Biochemistry in Modern Medicine, J. J. R. Macleod; Starlings or Howells Physiologies; Bayliss' General Physiology; Luciani's Physiology (translated by F. Welby); Monographs in Physiology (edited by B. H. Starling). Other works important for consultation are Marshall's Physiology of Reproduction; Schäfer's Endocrine Organs; Text-Book of Physiology (edited by E. A. Schäfer); Recent and Further Advances in Physiology (edited by Leonard Hill).

Students are urged to become members of the Students Medical Library from which they may borrow, for home reading, books and monographs bearing on the subject of Physiology.

BIOCHEMISTRY.

Professor of Biochemistry: T. BRAILSFORD ROBERTSON.
Assistant Professor of Biochemistry: HARDOLPH WASTENEYS.
Demonstrator in Biochemistry: G. E. K. BRANCH.
Tutorial Fellows: A. I. MULDREW, F. W. WARD.

The following are the Courses of Instruction in this department for students of Medicine.

Second Year.

1. A general course of lectures in Biochemistry; two a week.
2. A general laboratory course in Biochemistry; six hours a week.

Third Year.

3. A course of advanced lectures on Biochemistry for Honour students; two a week.

4. An advanced laboratory course in Biochemistry for Honour students.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Biochemistry and the results of these as well as his general work in the laboratory, will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

Text-books:—Robertson, Principles of Biochemistry; Robertson, Laboratory Directions in Biochemistry.

Works of Reference: General:—Hammarsten, Text-book of Physiological Chemistry, translated by Mandel; Mathews, Physiological Chemistry; Taylor, Digestion and Metabolism; Lusk, Science of Nutrition.

Special Subjects:—Armstrong, Simple Carbohydrates and the Glucosides; Leathes, Fats; Plimmer, Chemical Constitution of the Proteins; Weber,

article on "The Colloidal State" in the Chemistry of India Rubber; Robertson, The Physical Chemistry of the Proteins; Barger, The Simple Natural Bases; Underhill, The Physiology of the Amino Acids; Euler, General Chemistry of the Enzymes, translated by Pope; Arrhenius, Quantitative Laws in Biological Chemistry; Barcroft, The Respiratory Function of the Blood; Vincent, Internal Secretion and the Ductless Glands; Robertson, Chapter on "Growth and Development" in Volume 1 of Abt's System of Pediatrics; Loeb, The Organism as a Whole.

Laboratory Work:—Folin, a Laboratory Manual of Biological Chemistry; Hawk, Practical Physiological Chemistry; Plimmer, Practical Organic and Biochemistry.

ANATOMY.

Professor and Director of the Anatomical Department: J. PLAIRFAIR MCMURRICH.

Associate Professor of Clinical Anatomy: G. A. BINGHAM.

Assistant Professor in Anatomy: J. C. WATT.

Demonstrators: E. R. HOOPER, C. J. COPP, W. A. SCOTT, R. E. GABY, J. H. MCPHEDRAN, G. R. PHILP, G. E. WILSON, N. D. FRAWLEY, J. S. SIMPSON, W. F. PLEWES, F. W. WESTON, R. L. ROWNTREE, R. HARRIS, G. M. DALE, J. L. COTTON, R. O. FISHER, W. E. BROWN, R. J. P. MCCULLOCH.

Second Year.

Practical Work.—During the Second Year each student is obliged to dissect thoroughly the various regions of the body, following the plan outlined in a "Guide to the Dissection of the Human Body". Demonstrators will be in attendance each day for the purpose of superintending the work and of giving instruction, and will hold frequent examinations with the object of testing the student's progress. Certificates of credit in Practical Anatomy will be granted only to those students whose work has been completed to the satisfaction of the instructors in charge.

The Laboratory will be open from 9 a.m. until 5 p.m. every week-day throughout the session, with the exception of Saturdays when it will be closed at 12 noon.

Lectures.—In connection with the laboratory work lectures will be given by members of the staff, reviewing the work that has been completed. The object of this course will be to supplement the work in the Laboratory by calling attention to the relations and significance of the parts that have been studied and by elucidating with the aid of diagrams and models the anatomy of difficult and important structures.

Third Year.

Lectures.—During the Easter Term a course of lectures will be given on the Anatomy of the Central Nervous System.

Practical Work.—In connection with the above course of lectures the class will be divided into small sections, to each of which a Demonstrator will be assigned, for the purpose of a practical study of the Anatomy of the Brain.

In addition lectures and demonstrations will be given upon the anatomy of special regions and organs, special attention being given to the correlation of the structure and functional activities of the parts considered.

Opportunity will be afforded, when necessary, for the dissection of parts that were uncompleted in the practical course of the Second Year, or of which a further study seems advisable.

Text-books:—Piersol; Gray; Morris; Cunningham's Text-book; McMurrich's Development of the Human Body, Guide to the Dissection of the Human Body for the use of Students in the Anatomical Laboratory of the University of Toronto.

Reference Text-books:—Spalteholz, Hand-Atlas of Human Anatomy; Toldt's Atlas of Human Anatomy; Sobotta's Atlas and Text-book of Human Anatomy; Eycleshymer and Shoemaker, Cross-Section Anatomy; Quain's Anatomy; Barker's The Nervous System; Johnston, Nervous System of Vertebrates; Villiger, Brain and Spinal Cord; Herrick, Introduction to Neurology; Von Bardeleben's Handbuch der Anatomie; Rawlings, Landmarks; Treves, Applied Anatomy.

PHARMACY AND PHARMACOLOGY; MATERIA MEDICA.

Associate Professor: V. E. HENDERSON.
Lecturer: A. BRODEY.
Instructor in Pharmacy: J. A. MACDONALD.
Class Assistants: F. C. HARRISON, C. SHEARD, JR., J. W. RUSH.

Third Year.

Two courses of laboratory work accompanied by lectures and laboratory talks are given.

Practical Work.—LABORATORY COURSE I. Experimental pharmacology. In this course the student obtains an opportunity to become familiar with representatives of the drug-stuffs composing the various pharmacological groups. The chief object of the course is to get the student into the habit of accurate observation of the effects produced by drugs and to be able to describe them in accurate pharmacological language. In consequence a great deal of attention is given to the note books kept by each student.

LABORATORY COURSE II. Practical Pharmacy. This course is very brief, consisting only of a few hours' work on the chemical and physical incompatibles and in dispensing several mixtures, pills and ointments, in order that the student may obtain such insight into dispensing as is necessary to enable him to write prescriptions intelligently.

Total of these two courses, 90 hours.

Arrangements have also been made with the Toronto General Hospital and with the Hospital for Sick Children by which the students of this year will be drafted in turn to act as Assistants in the Hospital Dispensaries for a period of a week.

Lectures.—A course of lectures on general pharmacology (35 in all). This course is designed to supplement and extend the knowledge gained in the laboratory and from the prescribed text-book.

Prescription Writing.—Each student is expected to hand in answers to the problems in prescription writing announced each week. These are corrected and returned, and opportunity is given for the discussion of any difficulties with the staff during laboratory hours. Informal talks are also given from time to time as needed.

Text-books:—Pharmacy and Materia Medica, Henderson; Pharmacology, Dixon; Meyer and Gottlieb, translated by Halsey.

Reference Text-books:—Pharmacology, Cushny, Sollmann; Prescription Writing:—Bennett, Medical and Pharmaceutical Latin; Eggleston, Prescription Writing.

MEDICINE.

Professor of Medicine and Clinical Medicine: ALEXANDER MCPHEDRAN.

Associate Professor of Medicine and Clinical Medicine: J. T. FOTHERINGHAM.

Associate Professors of Clinical Medicine: ALLEN M. BAINES, W. B. THISTLE, R. J. DWYER, H. B. ANDERSON, GRAHAM CHAMBERS, WILLIAM GOLDIE, JOHN FERGUSON.

Associates in Clinical Medicine: H. C. PARSONS, W. J. MCCOLLUM, J. H. ELLIOTT, G. W. HOWLAND, H. S. HUTCHISON.

Demonstrators in Clinical Medicine: E. C. BURSON, F. A. CLARKSON, B. O'REILLY, D. KING SMITH, C. J. WAGNER, J. H. MCPHEDRAN, C. S. MCVICAR, G. S. STRATHY, W. F. MCPHEDRAN, G. W. ROSS, R. W. MANN, G. H. YOUNG, A. J. MACKENZIE.

Assistants in Clinical Medicine: J. A. OILLE, J. D. LOUDON, G. F. BOYER, M. B. WHYTE, T. J. PAGE, G. BATES, F. S. PARK, R. G. ARMOUR, F. S. MINNS, E. J. TROW, C. SHEARD, JR., T. J. GLOVER.

Professor of Therapeutics: R. D. RUDOLF.

Lectures.—In the Third Year during the Easter term a course of lectures is given as an introduction to the study of Medicine, dealing especially with the physiological aspects of disease.

During the first trimester one lecture weekly is given on physical examination, the explanation and interpretation of physical signs.

In the Fourth Year a course of forty lectures is given in the amphitheatre of the Toronto General Hospital, dealing with the general pathology and treatment of disease and serving as a fuller introduction to clinical study.

The lectures will be illustrated by plates, diagrams and morbid specimens; also by the presentation of patients when the nature of the subject under consideration makes it desirable.

Third Year.

In Clinical Medicine the instruction and work is carried on in the wards and in the Out-patient departments of the Toronto General, St. Michael's, and Western Hospitals, and in the University laboratories.

Medical Anatomy and Physical Diagnosis. Three forenoons in the week during the first half of the session are devoted to demonstrations in the surface anatomy of the body, in the methods of examination, and in the normal and abnormal physical signs with their significance. For this work the class is divided into small groups, each of which is in charge of an instructor.

In the second half of the session these exercises are continued and in addition, instruction is given in history taking, each student being required to take the history of patients and make the physical examinations, the work being supervised by one of the instructors.

In addition, courses of instruction are given in Pathological Chemistry and Clinical Microscopy and each student is required to do the clinical laboratory investigations relating to his own cases.

One clinic is held weekly in the hospital amphitheatre.

Text-books:—Medicine: Osler, Taylor.

Clinical Medicine:—Hutchison and Rainy, Clinical Methods.

Fourth Year.

The students of the Fourth Year devote the greater part of their time available for Clinical Medicine to the Medical wards, taking the histories, examining patients, and carrying out the clinical laboratory investigation of their cases under the direction of the House Physicians and the Assistant Clinical Instructors.

During each trimester, each student of the Fourth Year shall be required to prepare at least five complete records of Medical cases (history, physical examination and laboratory work) which has been certified as satisfactory by the service in which the work is done.

In addition to this work and instruction, regular clinics are given to ward classes, at which the students present the report of the cases considered. Weekly clinics are held in the hospital amphitheatres at which selected cases are presented. Each Fourth Year student attends the O. P. medical clinics daily for five weeks.

Classes consisting of one sixth of the year attend clinical demonstrations of Infectious Diseases at the City Isolation Hospital twice weekly for a period of five weeks.

Clinical Laboratory. Each Clinical Clerk is required to carry out a full laboratory investigation in connection with each patient assigned to him.

Clinical and Pathological Conference. Each week a clinical and patho-

logical conference will be held throughout the session. Abstracts of the histories of the fatal cases of the week, with diagnosis made before the autopsy, are read. The specimens are then demonstrated, followed by a discussion of the case.

Fifth Year.

In the Fifth Year the time will be devoted wholly to Clinical work in the wards and Out-patient departments of the hospitals and in the laboratories. Each student will be required to take charge of a number of patients, personally recording the results of his examination and laboratory work, and to attend and report on the autopsies of fatal cases.

Instruction will be given to classes in the wards and in the hospital amphitheatre.

In the Out-patient department, besides the general clinic, there are special clinics in Diseases of the Skin, of the Nervous System, in Tuberculosis and Syphilis, all of which groups of students will attend in rotation.

Text-books:—

Medicine: Osler, Taylor.

Clinical Medicine: Emerson, Clinical Diagnosis; Hutchison & Rainy, Clinical Methods.

Reference Text-books:—

Medicine: Forchheimer's Therapeusis of Internal Diseases, 5 vols.; Osler, Modern Medicine, 5 vols.; Albutt and Rolleston System; Latham and English, System of Treatment, 4 vols.; Mackenzie, The Heart; Sutherland, Dietetics; Starr, Nervous Diseases; Purvis Stewart, Diagnosis of Nervous Diseases; Thomas Lewis, Clinical Disorders of the Heart-beat. "A Handbook of Medical Treatment," by Da Costa.

Dermatology: Stelwagon, Crocker, Morris, Walker.

Instruments:—Students beginning clinical work are strongly advised to supply themselves with the following instruments: Microscope, with condenser and oil immersion lens; Haemoglobinometer, Dare; Haemocytometer, Zeis-Türck; Ophthalmoscope, Lorsch's; Laryngoscope; Stethoscope; Head Mirror; Thermometer; Tape Measure; Dermagraph. Special arrangements have been made for obtaining these instruments.

It is extremely desirable that each student should possess his own microscope, in order that the instrument which he uses during his laboratory work will be available for his use after graduation.

PAEDIATRICS.

Associate Professors of Paediatrics: A. M. BAINES, H. T. MACHELL.
Associate in Clinical Medicine: D. MCGILLIVRAY.
Demonstrator in Clinical Medicine: J. S. GRAHAM, ALAN BROWN.
Assistant in Clinical Medicine: A. W. CANFIELD, B. HANNAH.

Fourth Year.

Lectures.—This course comprises lectures to Fourth Year students on such subjects as diseases of the newly born, infant feeding, diseases of the digestive system, etc.

Clinical Work.—Daily clinics are held at the Hospital for Sick Children on Medical and Surgical cases by the Associate Professors and by other members of the Faculty who are on the staff of the Hospital for Sick Children.

Fifth Year.

The Fifth Year, in small groups, will attend the Out-patient Clinic daily at the Hospital for Sick Children and ward Clinics.

Text-books:—Diseases of Children, L. E. Holt; Chapin and Pisek; Still, Disorders of Infancy and Childhood; Kerley, Practice of Paediatrics.

Reference Text-books:—Medical Diagnosis and Treatment, Diseases of Children; Garrod, Battin and Thursfield, Diseases of Children.

THERAPEUTICS.

Professor of Therapeutics: R. D. RUDOLF.
Demonstrator in Anaesthesia: S. JOHNSTON.
Demonstrators of Therapeutics: C. E. C. COLE, G. W. ROSS,
Acting Head of Department.
S. R. D. HEWITT, W. V. WATSON, H. M. TOVELL.
Assistants in Anaesthesia: T. R. HANLEY, M. D. MCKICHAN.

Therapeutics is taught in the three final years, and is made as practical as possible.

Third Year.

Lectures.—A course of lectures is given to the Third Year during the Easter Term. This course comprises Specific Therapeuty and, when time permits, certain lectures on minor medicine.

Fourth Year.

Lectures.—In the Fourth Year a course of lectures is given in which the general principles of the subject are considered in a systematic way, emphasis being laid upon the fact that Therapeutics includes far more than the employment of drugs. The whole matter is considered more from the standpoint of disease than from that of drugs and other remedies. Diet, hydrotherapy, massage, electricity, anaesthesia and climate are also dealt with. Once a week fourth year students are given a practical demonstration at the hospital of methods of therapy, patients being freely used to illustrate the points.

Fifth Year.

Clinical Work.—In the final year the students are taken in groups at the General Hospital and the different methods of dealing with diseased conditions are demonstrated, generally upon actual patients. Here also prescription writing is practised. These demonstrations are quite informal and are conducted twice a week alternatively in the medical theatre at the hospital and in the wards. Students of the Fourth and Fifth years will receive individual practical instruction in the administration of anaesthetics.

Text-books:—Burney Yeo's Clinical Therapeutics, 2 volumes; Hare's Practical Therapeutics.

Reference Text-books:—Hutchinson & Collier's Index of Treatment, Lauder Brunton, Action of Medicines; Friedenwald and Rühran, Diet in Health and Disease; Wood, Therapeutics, its principles and practice; Potter, Ortner's Treatment of Internal Diseases; Cushny, Pharmacology and Therapeutics; Shoemaker, Materia Medica and Therapeutics; Hare, System of Therapeutics; Forchheimer's General and Special Treatment of Diseases; Forchheimer's Therapeusis of Internal Diseases; Sajous, Cyclopaedia of Practical Medicine; Appleton's Monographic Medicine.

SURGERY.

Professor of Surgery and Clinical Surgery: I. H. CAMERON.

Professor of Clinical Surgery: A. PRIMROSE.

Associate Professor of Clinical Surgery and Clinical Anatomy: G. A. BINGHAM

Associate Professors of Clinical Surgery: H. A. BRUCE, F. N. G. STARR, P. W. H. MCKEOWN, S. M. HAY.

Associate Professor of Clinical Surgery and in Charge of Orthopaedics: C. L. STARR.

Associates in Surgery and Clinical Surgery: C. B. SHUTTLEWORTH, J. F. UREN, T. B. RICHARDSON, G. SILVERTHORN, E. S. RYERSON, W. A. SCOTT, W. W. JONES.

Demonstrators in Clinical Surgery: W. E. GALLIE, A. B. WRIGHT, M. H. V. CAMERON, N. S. SHENSTONE, G. E. WILSON, R. E. GABY, J. A. ROBERTS.

Assistants in Clinical Surgery: A. S. MOORHEAD, A. H. PERFECT, D. E. ROBERTSON, OLIVER MABEE, P. K. MENZIES, ROBIN PEARSE, B. Z. MILNER, R. R. GRAHAM, F. A. CLELAND, J. A. MCCOLLUM, L. B. ROBERTSON, C. H. HAIR, J. W. HAYES, H. W. BAKER, C. B. PARKER, J. H. COTTON, T. A. J. DUFF.

Third Year.

Lectures.—A short course of lectures is delivered during the Michaelmas term on the general principles of Surgery.

Clinical Work.—In the Third Year each student receives three hours a week of Clinical instruction, on cases which illustrate—

1. Inflammation
2. Suppuration and Abscess
3. Surgical Diseases of the Skin; boils, carbuncles, etc.
4. Sepsis; infection and infective diseases
5. Wounds
6. Haemorrhage
7. Ulceration
8. Gangrene
9. Hernia
10. Surgical Landmarks
11. History Taking
12. Fractures
13. Bandaging
14. Instruments
15. First Aid.

Fourth Year.

Lectures.—Thirty lectures are given throughout the Session on some of the general principles of Surgery. Short courses are included on the special Surgery of certain regions of the body, *e.g.* the abdomen; the head and neck; the extremities, etc., the courses varying from year to year. The majority of the lectures are delivered at the Hospitals and are illustrated by Clinical Cases.

Practical Work.—A course of practical demonstrations will be given on the details of minor surgical technique under the following headings—

1. Principles of aseptic and antiseptic surgery.
2. Preparations for operations:
   (*a*) Patient—general preparation; field of operation.
   (*b*) Surgeon and assistants—hands; gloves; gowns; caps; masks; etc.
   (*c*) Instruments.
   (*d*) Room; tables; sterilizers; basins; irrigators; sheets, towels, etc.
3. Dressings; sutures; drains. Their preparation and uses.
4. Instruments.
5. Minor surgical technique.
   Hypodermics; local anaesthesia; lumbar puncture and spinal injections; transfusions, etc.
   Poultices; fomentations; stupes; blisters; cautery; leeches; cupping, etc.
   Enemata; douches, etc.
   Catheters; bougies; sounds, etc.
   Haemostasis; paracentesis, etc.
6. Bandaging.
7. First aid in accidents, drowning, etc.

Each student in this year will be required to take four complete histories during the year. These shall include the history, physical examination, differential diagnosis, description of the operative and non-operative treatment, progress notes, pathological findings, autopsy report and whatever clinical analysis may be necessary. These histories shall be presented

to the Clinician and shall be read and, if satisfactory, signed by him and may be used for teaching purposes in Clinic. The four approved histories must be deposited by the student with the Secretary of the Department before April 15th.

Clinical Work.—The time devoted to Clinical teaching in surgery is laid down in the time-table for the Fourth Year on page 90.

During this year an attempt is made to give the student a thorough familiarity with all the ordinary types of surgical conditions met with in general practice. He is taught to make a complete examination of any surgical patient in order that he may be able to arrive at a diagnosis and reasonably scientific treatment.

A special course in Orthopaedic Surgery is given at the Hospital for Sick Children.

Fifth Year.

The work of the Fifth Year in Surgery is entirely Clinical with the exception of one weekly mid-day lecture which is partly didactic and partly clinical. For the present the work incident to Dresserships and obligatory upon all candidates will be done in this year.

An elective course is given in operative surgery on the cadaver.

The duties of the Clinical Clerks attached to the various Surgical Services at the Toronto General, St. Michael's and the Sick Children's Hospitals shall be:

1. To act as assistants to the House Surgeon and to be prepared to carry out his instructions at all times.

2. To take the history of each patient within twenty-four hours of his admission to the wards. To record the physical examination and to do and record the necessary laboratory work.

3. To attend all the operations performed on his Service, and to be prepared to act as an assistant.

4. To do whatever dressings are detailed to him by the House Surgeon.

5. In the event of an autopsy on any patient who has been under his charge, to assist and make the necessary records.

6. To work when required in the Out-patient Department.

7. That he be required to attend the Clinics given to the Third and Fourth Years on his Service, and be prepared to give a detailed account of the cases being presented, to the Clinician, and, if necessary, under the direction of the Clinician, to act as Demonstrator. Further, that he shall be required to provide and prepare the material for each Clinic to the Third and Fourth Years.

8. That during his term of service he shall be prepared, when directed to do so, to assist in giving and to give anaesthetics to the patients on his Service under the supervision of the anaesthetist.

Text-books:—Rose & Carless; Spencer and Gask.; Da Costa; Alexis Thomson, Minor Surgery; F. T. Stewart's "Manual"; Foote; Russell Howard; Pye's Surgical Handicraft; Surgical Diagnosis, Gould; A Synopsis of Surgery, Ernest W. Hey Groves; The Students' Text-book of Surgery, Barnett; Surgical Materials and their Uses, Maclennan.

Reference Text-books:—

Surgery:—Principles of, by Senn, Nancrede, Bryan, Choyce; Practice of, by Treves, Erichsen; International Text Book, by Warren & Gould; Modern Surgery, by Roswell Park; American Practice of Surgery; Operative Surgery, Burghard, 4 vols.; Surgical Treatment, Cheyne & Burghard; Operative Surgery, by Treves, Rowlands and Turner; Bryant, Bickham, Binnie, Kocher, Alexis Thomson, v. Schmieden; Genito-Urinary Surgery, Thomson Walker; Chetwood's Urology; White and Martin, Keyes, Casper-Bonney, Taylor, Henry Morris, Morton; Orthopædic Surgery, Bradford & Lovett, Whitman, Jackson Clarke; Fractures and Dislocations, Stinson; Dislocations and Joint Fractures, Cotton; Treatment of, Schudder; Diseases of the Rectum and Anus, Gant, 3rd ed.; Surgery of the Chest, Paget, Carl Beck; Lungs, Fowler & Godlee; General Surgery, J. C. Warren, Lexer-Bevan; Preparatory and after treatment in Operative Cases, Haubold, Crandon; Surgery of the Brain, Krause, Rawlings; Spine; Elsberg; Clinical Surgical Diagnosis, de Quervain (trans.); International Clinics.

PATHOLOGY.

Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories: J. J. MACKENZIE.

Lecturer in Bacteriology: D. A. GRAHAM.

Acting Lecturer in Bacteriology: H. K. DETWEILER.

Demonstrators of Pathology: H. J. SHIELDS, O. R. MABEE.

Assistants in Pathology: G. W. LOUGHEED, ROSCOE GRAHAM, W. F. MCPHEDRAN, H. W. BAKER.

Fellow in Pathology:

Assistant in Clinical Laboratory: D. H. BODDINGTON.

Assistant Curator of the Pathological Museum:

The courses of instruction are as follows:—

Second Year.

Students receive a course of lectures and practical laboratory exercises during the Easter Term in general Bacteriology, including media making, staining and cultivation of pathogenic micro-organisms, the practical isolation and identification of the most important bacteria pathogenic to man.

Third Year.

Lectures.—1. A course of lectures in General Pathology is given during the Michaelmas and Easter Terms.

Practical Work.—2. A laboratory course in Pathological Histology is held four afternoons a week during the Easter Term, illustrating general pathological conditions, including inflammations (acute and chronic) repair, tumors, etc.

3. A practical laboratory class in haematology and clinical microscopy.

Fourth Year.

Lectures.—1. A course of didactic lectures is delivered upon selected chapters of special pathology.

Practical Work.—2. A laboratory course in Pathological Histology takes place four afternoons a week during the Michaelmas Term. The work taken up in this class illustrates the special pathology of the organs. Alternating with this class are a series of Museum Demonstrations arranged to illustrate the course in Pathological Histology.

3. Throughout the Session autopsies are held at the three Hospitals which students are required to attend and take full notes. On the autopsies they have witnessed they are subsequently examined.

4. Once a week during the Easter Term a Clinical conference on autopsy material is held at the General Hospital.

Fifth Year.

1. The routine work for all students of the Fifth Year will consist of attendance and assistance at autopsies. Upon such cases as the students have studied in the wards full bacteriological and histological studies will be required.

2. A weekly conference in autopsy material will be held for the whole class.

3. Advanced classes will be held for students who have Honour standing, and for such other students whose work is of such a character as to permit them to do elective work.

An advanced laboratory class in surgical pathology may be arranged for similar students who can fulfil the same conditions.

Text-books:—

Pathology:—Adami, Pathology (General), vol. I.; (Special), vol. II.; Adami & McCrae, Text-book of Pathology; Delafield & Prudden, 8th ed.; MacCallum, A Text-book of Pathology; Mallory, Text-book of Pathological Histology; Pembrey & Ritchie, General Pathology.

Bacteriology:—Hiss and Zinsser; Muir and Ritchie; Park: Ricketts and Dick, Infection, Immunity and Serum Therapy.

Clinical Methods:—Emmerson; Hutchison and Rainy; Sahli.

PATHOLOGICAL CHEMISTRY.

Professor of Pathological Chemistry: A. Hunter.
Lecturer in Pathological Chemistry: C. G. Imrie.
Demonstrators of Pathological Chemistry: F. W. Rolph, D. H. Boddington.

Third Year.

Practical Work.—Students receive practical instruction in the chemical methods employed in the examination of excreta, secretions, organs and body fluids, with special reference to the study and diagnosis of disease.

As occasion requires, the laboratory exercises are coordinated and supplemented by demonstrations and lectures.

The student will not be permitted to proceed to the University examination unless he has satisfactorily performed all the work of the class, and has paid for any apparatus he may have lost, damaged, or destroyed.

Fourth Year.

Lectures.—A course of lectures, extending throughout the year, is given on general disorders of the chemical processes of the body.

Practical Work.—One laboratory period per week for one trimester is devoted to a review and extension of the work of the third year.

Clinical Laboratory.—To each student of the Fourth and Fifth years there is assigned, in the Department of Pathological Chemistry, a locker with apparatus and reagents, which he is expected to utilize in the conduct of all chemical examinations necessary to the proper study of the cases under his charge. For the guidance of the Fourth Year student in such work an instructor is in regular attendance at a special hour each day. Reports of each student's work are preserved, and are considered in determining his standing at the end of the year.

Fifth Year.

In addition to the routine clinical laboratory work, an advanced laboratory course is offered for students whose record is such as to permit them to do elective work. At the end of the Fifth year the student is required in surrendering his locker, to make good all loss of apparatus by breakage or otherwise. Until he has done so, he will not be permitted to sit for the final examinations.

Text-books:—Hawk's Practical Physiological Chemistry together with the standard works on Physiology and Pathology, and Krehl's Clinical Pathology, trans. by Hewlett (Lippincott & Co.).

Reference Books:—Oppenheimer, Handbuch der Biochemie; Von Noorden, Metabolism and Practical Medicine (trans. by Walker Hall) 3 vols.; Neubauer and Huppert, Analyse des Harns; Schmidt and Strasburger, Die Fazes des Menschen; Von Fürth (trans. Smith), Physiological and Pathological Chemistry of Metabolism; Wells, Chemical Pathology; Neuberg, Der Harn.

PSYCHIATRY.

Professor of Psychiatry: C. K. CLARKE.
Extra-Mural Professor of Psychiatry: N. H. BEEMER.
Associate of Psychiatry: J. M. FORSTER.
Special Lecturer in Psychology: C. M. HINCKS.
Demonstrator: HARVEY CLARE.

Fourth Year.

Lectures.—A series of didactic lectures is given, outlining some of the more important psychoses.

Fifth Year.

Clinical Work.—A clinical course will be given. The student will be afforded opportunity to obtain a practical knowledge of psychiatry, and to study the laboratory and clinical methods employed in the diagnosis and treatment of various forms of insanity.

Text-book:—Clinical Psychiatry, Diefendorf.

MEDICAL JURISPRUDENCE.

Professor: N. A. POWELL.

Fourth Year.

Lectures.—About eighteen lectures and class-room demonstrations will be given. These will be illustrated as required by lantern slides and by specimens from the Pathological Museum or from private collections.

The lecture course will embrace *inter alia* a discussion of:—Legal Criminal procedures and the relation of Medical men thereto. Medical evidence, documentary and oral, ordinary and expert. Personal identity of the living and of the dead. Thanatology: The reality of death; *post mortem* changes, autopsies and reports. Causes producing deaths by violence such as the various forms of asphyxia, heat, cold, electricity, etc. Wounds in their medico-legal relations. Blood stains and the examination of blood. Medico-legal aspects of the sexual functions, impotency, sterility and legitimacy. Pregnancy, abortion and infanticide. Rape and allied offences against chastity. Civil and criminal malpractice.

Text-books:—Glaister, Reese, Emerson, Draper; Buchanan's Text-book of Forensic Medicine and Toxicology.

Reference Text-books:—Taylor's Principles; Whitthaus and Becker; Peterson and Haines; Dixon Mann; Cattell's *Post Mortem Pathology*; Greene's Life Insurance; Atkinson's Law in Medical Practice; Cathell's The Physician Himself; Brother's Medical Jurisprudence; Wadsworth's Post Mortem Examinations.

TOXICOLOGY.

Professor of Toxicology: W. H. ELLIS.
Associate Professor of Pharmacology: V. E. HENDERSON.

Two courses of lectures and demonstrations are now given.

COURSE 1. The Chemical detection of poisons, including the identification of the common poisons in their pure state, and their separation from organic matter.

COURSE 2. The pharmacology, symptomology, pathology and therapeutics of poisoning. Only the more inportant poisons are dealt with in this course.

HYGIENE.

Professor: JOHN A. AMYOT.
Associate Professor: J. G. FITZGERALD.
Demonstrator and Temporary Lecturer: R. D. DEFRIES.

This Department provides a course embracing a series of lectures covering health laws and regulations, vital statistics and the general problems of Hygiene and Preventive Medicine to the candidates for the M.B. degree.

It provides lecture courses in first aid, hygiene and sanitation to students in the Engineering, Forestry, Architecture, Household Science, and Education departments of the University.

Laboratory facilities and instruction are provided for students of the department of Engineering, qualifying as Sanitary Engineers. The course of instruction to graduates in medicine leading to the Diploma of Public Health, which was discontinued during the war, will be resumed. Details of the curriculum leading to the Diploma of Public Health will be found on page 53.

Text-books:—Rosenau, Preventive Medicine and Hygiene, 4th edition, 1918; Parkes and Kenwood, Hygiene and Public Health; Prescott and Winslow, Elements of Water Bacteriology; American Public Health Association, Standard Methods of Water Analysis.

Reference Text-books:—Kolmer, Infection, Immunity and Specific Therapy; Ledingham and Arkwright, The Carrier Problem in Infectious Diseases; Whipple, Microscopy of Drinking Water; Chandler, Parasitology and Human Disease.

CONNAUGHT LABORATORIES.

Director: J. G. FITZGERALD.
Associate Director: R. D. DEFRIES.
Research Associates: A. H. CAULFEILD, R. A. HODGE, D. T. FRASER.

The scope of the activities of the Connaught Laboratories is similar to that of the Lister Institute, London, England, the Pasteur Institute of Paris, and the Rockefeller Institute of New York. Although primarily

established for research in the field of preventive medicine, these Laboratories are also engaged in the production and distribution of all essential public health biological products, at practically cost price. The distribution of diphtheria antitoxin was commenced in April 1914, and since that date the production of additional biological products has been undertaken and the distribution extended throughout Canada and Newfoundland.

The products distributed include: diphtheria antitoxin, tetanus antitoxin, anti-meningitis serum, smallpox vaccine, anti-pneumococcus serum, typhoid vaccine, and rabies vaccine.

Since February 1st, 1916, the Provincial Board of Health of Ontario has distributed, free of charge in Ontario, all of the above-named products. The Secretaries of Local Boards of Health need only make application to the Chief Officer of Health, Parliament Buildings, Toronto, and supplies will be sent them. Physicians and Hospitals are supplied by the Secretary of their Local Board of Health.

Similarly in September 1917, the Bureau of Public Health, Saskatchewan, began free distribution of diphtheria antitoxin in that Province. (The antitoxin so supplied is prepared by these Laboratories.)

The Department of Militia and Defence was supplied with tetanus antitoxin and other biological products used by the Canadian Expeditionary Force Overseas and in training in Canada.

In October 1917, a farm of over fifty acres and completely equipped Laboratories and Stables were presented to the University by Colonel Albert Gooderham. These Laboratories were given to provide facilities for research in Preventive Medicine, especially along the lines of serum therapy, and also to provide for the production of serums and vaccines. In connection with these Laboratories there has been established the Connaught Laboratories Research Fund of one hundred thousand dollars the income on which is to be utilized for the support of research work in Preventive Medicine.

OBSTETRICS AND GYNAECOLOGY.

Professor of Obstetrics and Gynaecology: B. P. WATSON.
Associate Professors of Obstetrics: H. T. MACHELL, K. C. MCILWRAITH.
Associate Professor of Gynaecology and Obstetrics: A. A. MACDONALD.
Associate Professor of Gynaecology: F. W. MARLOW.
Associate in Obstetrics: J. A. KINNEAR.
Demonstrators in Obstetrics: M. M. CRAWFORD, W. J. MABEE, S. J. N. MAGWOOD.
Associates in Gynaecology: W. B. HENDRY, F. A. CLELAND.
Demonstrator in Gynaecology: A. C. HENDRICK.
Assistant Demonstrator in Obstetrics and Gynaecology: W. A. SCOTT, J. G. GALLIE, W. W. LAILEY.
Assistant Demonstrators in Gynaecology: H. E. CLUTTERBUCK, R. W. WESLEY, N. D. FRAWLEY.

Fourth Year.

Lectures.—Obstetrics:—A course of lectures illustrated by diagrams, lantern slides and models will be given. A syllabus indicating the scope of the work is provided. Stated generally, the course consists of two parts. The first part deals with the anatomy and physiology of the female organs of reproduction; the anatomy, physiology and management of normal pregnancy, labour and the puerperium, and the care of the infant. The second part is concerned with abnormal conditions arising during pregnancy, labour, and the puerperium, and with maladies of the infant.

Practical demonstrations on anatomy, the mechanism of labour, the use of obstetrical instruments, etc., will be given to small sections of students.

Gynaecology:—A course of lectures illustrated by pathological specimens, diagrams and lantern slides will be given. A syllabus is provided. The lesions of each organ are considered in detail and the methods of gynaecological diagnosis and treatment indicated.

Clinical Work.—Obstetrics:—The student attends clinics at the Toronto General Hospital or at St. Michael's Hospital. At these clinics practical instruction is given in the examination of patients, the diagnosis of pregnancy, the management of labour and the puerperium and the care of the infant.

Gynaecology:—Clinical instruction is given at the Toronto General Hospital, and the Western Hospital, in the method of case taking, the examination of patients, the use of instruments, and in the conduct of operations.

Pathological Demonstrations:—The naked eye and microscopic pathology of the common obstetrical and gynaecological lesions will be demonstrated in the museum.

Fifth Year.

Obstetrics.—The student attends the Obstetrical Hospital for a period of five weeks during which time he is given an opportunity of seeing all the work of the hospital, and of assisting in the management and treatment of cases. He is also required to attend patients in their own homes and to perform other duties in connection with the Out-Patient Service. Clinical lectures are given once a week on interesting and abnormal cases.

Gynaecology.—Clinical instruction in the examination and diagnosis of gynaecological cases is given to small sections of students. Each student is required to act as clinical clerk to the cases assigned him, to be present at any operations required, and to follow the after-treatment. Operations will be performed on stated days and at these the members of the clinic may be present.

Pathological Demonstrations:—A series of demonstrations in continuity with those held during the fourth year will be given in the museum.

Text-books:—

Obstetrics:—Eden; Berry Hart; Hirst; Edgar; Whitridge Williams; Jellett; Galabin; Adam Wright.

Gynaecology:—Barbour & Watson; Dudley; Gilliam; Crossen; Penrose; Eden & Lockyer; Hart & Barbour; Ashton; Montgomery.

Reference Text-books:—

Obstetrics:—Bumm; Winckel; Munro Kerr, Operative Obstetrics; Davis, Operative Obstetrics; Lea, Puerperal Infection; Ballantyne, Antenatal Pathology.

Gynaecology.—Kelly, Operative Gynaecology; Berkeley & Bonney, Gynaecological Surgery; Winter & Ruge, Gynaecological Pathology, translated by Clark; Cullen, Cancer of the Uterus.

OPHTHALMOLOGY AND OTOLOGY.

Professors: J. M. MACCALLUM, G. H. BURNHAM.
Demonstrators: COLIN CAMPBELL, D. N. MACLENNAN, M. LYON, W. W. WRIGHT, F. A. AYLESWORTH.

Fourth Year.

Ophthalmology:

Instruction will be given by quizzes, recitations or lectures. The class will be divided into small sections. In each section the applied anatomy of the eye, orbit and surrounding structures will be considered, followed by instruction in the use of the ophthalmoscope, retinoscope and other instruments of diagnosis. The methods of external examination of the eye, the use of the test type, test lenses and the principles of refraction will be thoroughly dealt with.

Fifth Year.

Instruction will be wholly clinical and practical, and will include Ophthalmoscopy and its relations to general medicine, advanced refraction. Each student will be required to determine the refraction of patients in the Out-Patient Clinic and must, for this purpose, supply himself with an ophthalmoscope and a retinoscope. When possible the students will be shown the more usual operations on the eye.

There will be a short course of didactic lectures. Clinically, otology is grouped with diseases of the nose and throat.

Ophthalmology:—

Text-books:—J. Edward Jackson; May; Mayou; Nettleship; Parker; Parsons; Swanzy; Veasey; Wood & Woodruff; Sym; Marshall.

Works of Reference:—de Schweinitz; Weeks; Fuchs; Posey & Wright; Theobald; Ball.

Otology:—

Manuals:—Bacon; Albert Gray.

Works of Reference:—Politzer; Ballengar; Barnhill & Wales.

OTO-LARYNGOLOGY.

Professor: D. J. GIBB WISHART.
Demonstrators: PERRY G. GOLDSMITH, GILBERT ROYCE, GEORGE M. BIGGS.
Assistants: J. SPROULE-MANSON, ANGUS CAMPBELL, J. C. CALHOUN, ED. BOYD, A. D. MCKELVEY, W. G. MCKECHNIE.

The course of instruction in oto-laryngology is carried on in the Toronto General Hospital, where the facilities placed at the disposal of the students are unusually complete. There is an indoor service of twenty beds, and in the outdoor, in addition to the large clinic, where the fifth year students receive instruction, there is a room set aside for the fourth year classes, with eight cubicles for examination purposes.

This course is carried on during both the fourth and fifth years of the curriculum.

Fourth Year.

In the fourth year the students will receive instruction in:

(1) The normal anatomy of the ear, nose and throat.

(2) The methods of using the head mirror and the various instruments required in examining the ear, nose and throat.

(3) The ordinaty tests for hearing.

(4) The recognition of the ear, nose and throat, in their normal conditions, as exemplified by clinical material.

At the close of each class instruction, a clinical examination may be held.

Fifth Year.

In the fifth year the students will be divided into small groups for the purpose of studying the commoner pathological conditions affecting the various organs, and as much clinical material as possible will be utilized for the purposes of personal observation.

A series of lectures will be delivered upon the various diseases of the ear, nose and throat, ordinarily met with by the general practitioner.

At the final (fifth year) examination the test will be clinical.

Text-books:—Porter, Diseases of the Throat, Nose and Ear; Lake, Diseases of the Ear; Parker, Throat and Nose; Gray, Ear; Coolidge, Diseases of the Nose and Throat.

For Reference:—St. Clair Thompson, Throat and Nose; Lambert Lack, Throat and Nose; Watson Williams, Throat and Nose; Phillips, Throat, Nose and Ear.

LECTURES IN DENTISTRY.

The Faculty have arranged for a course of lectures to be delivered during the Session, on the application of Dentistry to Medicine. The instruction will be given by a man properly qualified for the purpose and will be delivered to the students of the final year. The course will be obligatory.

FIRST YEAR TIME-TABLE, SESSION 1919-1920.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10	Physics	English Mathematics	Biology	English Mathematics	Biology Pr. B. Chemistry Pr. A.	Biology
10-11	Physics Practical	Scien. French Scien. German	Biology Pr. A.	Physics	Biology Pr. B. Chemistry Pr. A.	Physics
11-12	Physics Practical	Biology	Biology Pr. A.	History	Biology Pr. B. Chemistry Pr. A.	Scientific French Scientific German
12-1	Physics Practical	Chemistry	Biology Pr. A.	Chemistry	Physics	History of Civilization
2-3	Biology Pr. A. Chemistry Pr. B.	History	Chemistry Pr. B.	Biology Pr. B. Chemistry Pr. A.	Physics Practical	
3-4	Biology Pr. A. Chemistry Pr. B.	History of Civilization	Chemistry Pr. B.	Biology Pr. B. Chemistry Pr. A.	Physics Practical	
4-5	Biology Pr. A. Chemistry Pr. B.	Gymnasium	Chemistry Pr. B.	Biology Pr. B. Chemistry Pr. A.	Gymnasium	

N.B.—Hours for English Expression will be arranged.

SECOND YEAR TIME-TABLE, SESSION 1919-1920.

Michaelmas Term.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Physiology	Biochemistry	Physiology	Biochemistry	Biochemistry	Anatomy Pr.
10–11	Anatomy	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Anatomy	Histology	Anatomy Pr.
11–12	Hist. Pr. A. Biochem. Pr. B.	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Biochem. Pr. B. Bact. (½ A.)	Hist. Pr. B. Bact. (½ A.)	Anatomy Pr.
12–1	Hist. Pr. A. Biochem. Pr. B.	Physiol. Pr. B. Bact. (½ A.)	Physiol. Pr. B. Bact. (½ A.)	Biochem. Pr. B. Bact. (½ A.)	Hist. Pr. B. Bact. (½ A.)	
2–5	Anatomy Pr.	Biochem. Pr. A.	Anatomy Pr.	Anatomy Pr.	Biochem. Pr. A.	

Easter Term.

9–10	Physiology	Biochemistry	Physiology	Biochemistry	Biochemistry	Anatomy Pr.
10–11	Anatomy	Physiol. Pr. B. to February 8th Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. B. to February 8th Physiol. Pr. A. Bact. ¾ (½ B.)	Anatomy	Histology	Anatomy Pr.
11–12	Hist. Pr. B. Biochem. Pr. A.	Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. A. Bact. (½ B.)	Biochem. Pr. A. Bact. (½ B.)	Hist. Pr. A. Bact. (½ B.)	Anatomy Pr.
12–1	Hist. Pr. B. Biochem. Pr. A.	Physiol. Pr. A. Bact. (½ B.)	Physiol. Pr. A. Bact. (½ B.)	Biochem. Pr. A. Bact. (½ B.)	Hist. Pr. A. Bact. (½ B.)	Physiology
2–5	Anatomy Pr.	Biochem. Pr. B.	Anatomy Pr.	Anatomy Pr.	Biochem. Pr. B.	

THIRD YEAR CLINICAL TIME-TABLE, SESSION 1919-1920.

First Ten Weeks.

Sep. 30 to Dec. 6	HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	9 to 10.30	Surgery 7-12 Pharmac. 1-6	Medicine 7-12 Surgery 1-6	Surgery 1-12	Medicine 1-12 Clinical Lecture	Surgery 1-6 Pharmac. 7-12	Medicine 1-6 Surgery 7-12
	10.30 to 12	Medicine 7-12 Pharmac. 1-6	11 a.m. Anatomy 1-12	Medicine 1-12 Clinical Lecture	Work Hour 10-11 Anat. 11-12	Medicine 1-6 Pharmac. 7-12	Medicine 7-12

Second Ten Weeks.

Dec. 8 to Feb. 28		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	9 to 10.30	Surgery 7-12 Clin. Lab. 1-6	Surgery 1-6 Pharmac. 7-12	Surgery 7-12 Pharmac. 1-6	Medicine 7-12 Clinical Lecture Path. Chem. 1-6	Surgery 1-6 Path. Chem. 7-12	Clin. Lab. 7-12 Surgery O.P.D. 1-6
	10.30 to 12	Medicine 7-12 Clinical Lab. 1-6	Medicine 1-6 Pharmac. 7-12	Medicine 7-12 Pharmac. 1-6	Medicine 7-12 Path. Chem. 1-6	Medicine 1-6 Path. Chem. 7-12	Clin. Lab. 7-12 Medicine 1-6

Third Ten Weeks.

Mar. 1 to May 8.		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	9 to 10.30	Surgery 1-6 Clin. Lab. 7-12	Surgery 1-6 Pharmac. 7-12	Surgery 7-12 Pharmac. 1-6	Medicine Clinical Lecture 1-6 Path. Chem. 7-12	Surgery 7-12 Path. Chem. 1-6	Clin. Lab. 1-6 or O.P.D. Surgery as notified 7-12
	10.30 to 12	Medicine 1-6 Clin. Lab. 7-12	Medicine 1-6 Pharmac. 7-12	Medicine 7-12 Pharmac. 1-6	Medicine 1-6 Path. Chem. 7-12	Medicine 7-12 Path. Chem. 1-6	Clin. Lab. 1-6 Medicine 7-12

THIRD YEAR DIDACTIC TIME-TABLE.

Michaelmas Term.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
12–1		Physiology	Physiology		
1–2	Pharmacology			Physiology	General Pathology
2–3	Anatomy	Physiology	Surgery	Physiology	Anatomy
3–4	Anatomy	Anatomy	Anatomy	Physiology	Anatomy
4–5	Anatomy	Anatomy	Anatomy	Physiology	

Easter Term.

12–1		Psychology ($\frac{1}{2}$ Term) Neurology ($\frac{1}{2}$ Term)		Physiology	
1–2	General Pathology		Pathological Histology		General Pathology
2–3	Pathological Histology	Physiology, 4 weeks Surgery	Pathological Histology	Physiology	Pathological and Bacteriological Laboratory
3–4	Pathological Histology	Physiology	Medicine	Pathological Histology	
4–5	Therapeutics		Pharmacology	Pathological Histology	

FOURTH YEAR CLINICAL TIME-TABLE, SESSION 1919-1920.

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Medicine	Infect. Diseases	Medicine	Medicine	Infect. Diseases	Medicine
10–11	Work Hour	Work Hour	Work Hour	Work Hour	Work Hour	Work Hour
11–12	Obstetrics	Surgery	Surgery	Path. Chemistry	Surgery	Surgery
12–1						Medicine Clinical Lect. T.G.H.

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Surgery	Medicine	Clin. Therap.	Medicine	Medicine	Medicine
10–11	Eye Nose	Eye Nose	Work Hour	Eye Nose	Eye Nose	Work Hour
11–12	Nose	Nose	Surgery	Eye Nose	Eye Nose	Surgery
12–1						Medicine Clinical Lect. T.G.H.

FOURTH YEAR CLINICAL TIME-TABLE, SESSION 1919-1920—*Continued.*

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Medicine St. M.H. 2/3 class W.H. 1/3 class	Medicine St. M.H. 2/3 class W.H. 1/3 class	9-10.30 Surgery H.S.C.	Medicine St. M.H. 2/3 class W.H. 1/3 class	9-10.30 Paed.	Medicine St. M.H. 2/3 class W.H. 1/3 class
10–11	Work Hour	Work Hour		Work Hour		Work Hour
11–12	Gynaec.	Surgery St. M.H. 2/3 class W.H. 1/3 class	10.30-12 Paediatrics	Surgery St. M.H. 2/3 class W.H. 1/3 class	10.30-12 Surgery H.S.C.	Surgery St. M.H. 2/3 class W.H. 1/3 class
12–1						Medicine Clin. Lect. T.G.H.

N.B.—Work Hour—Physical Diagnosis and Laboratory.

SYSTEM OF CHANGING CLASSES FOR FOURTH YEAR.

Date	Medicine Surgery Obstetrics Clinical Therapeutics	Medicine Surgery Eye Ear, Nose and Throat	Medicine Surgery Gynaecology Paediatrics
September 30 to December 6	B	A	C
December 8 to February 28	C	B	A
March 1 to May 8	A	C	B

FOURTH YEAR DIDACTIC TIME-TABLE

Michaelmas Term

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1–2	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Chemistry
2–3	Pathological Histology	Pathological Histology	Pathological Histology	Pathological Histology	Surgery
3–4	Obstetrics	Therapeutics	Gynaecology	Obstetrics	Medicine
4–5	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory	Clinical Laboratory

Easter Term.

12–1	Therapeutics	Neurology	Clinical Laboratory	Clinical Therapeutics	Clinical Laboratory
2–3	Med. Jurisprudence	Special Pathology	Clinical Conference on Autopsy Material	Hygiene	Hygiene
3–4	Gynaecology	Psychiatry, 6 weeks Medicine, 10 weeks	Special Pathology	Paediatrics, 6 weeks Medicine, 10 weeks	Pathological Chemistry
4–5	Paediatrics, 6 weeks Toxicology, 8 weeks	Clinical Laboratory	Psychiatry, 6 weeks Surgery, 10 weeks	Obstetrics	Obstetrics

N.B.—All clinics begin promptly on the hour.

No change is to be made in this time-table without the consent of the Faculty Council.

FIFTH YEAR CLINICAL TIME-TABLE, SESSION 1919-1920.

Ten Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–12	Medicine	Medicine	Medicine	Medicine	Medicine	Medicine
2–4	Medicine	(Tuberculosis Clinic)	Medicine	Medicine	(Tuberculosis Clinic)	

Ten Weeks.

9–12	Surgery	Surgery	Surgery	Surgery	Surgery	Surgery
2–4	Neurology	Pathology	Neurology	Neurology	Pathology	

Ten Weeks.

First Five Weeks.

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–10	Paed. 1-4 Nose 5-8 Eye 9-12	Paed. 5-8 Nose 9-12 Eye 1-4	Paed. 9-12 Nose 1-4 Eye 5-8	Paed. 5-8 Nose 1-4 Eye 9-12	Paed. 9-12 Nose 5-8 Eye 1-4	Paed. 1-4 Nose 9-12 Eye 5-8
10–11	Paed. 1-4 Nose 5-8 Syphilis 9-12	Paed. 5-8 Nose 9-12 G.U. 1-4	Paed. 9-12 Nose 1-4 Syphilis 5-8	Paed. 5-8 Nose 1-4 G.U. 9-12	Paed. 9-12 Nose 5-8 Syphilis 1-4	Paed. 1-4 Nose 9-12 G.U. 5-8
11–12	Therap.	Dermat. 9-12	Clin. Therap.	Dermat. 1-4	Clin. Therap.	Dermat. 5-8
2–4	Dermatology			Psychiatry T.G.H. (Feeble-minded Clinic)	Psychiatry	

Second Five Weeks.
Obstetrics and Gynaecology

LECTURE TIME-TABLE.

	HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	12-1	Medicine. Clinical Lecture.	Medicine. Clinical Lecture.	Surgery. Clinical Lecture.	Clinical Conference on Pathological Material	Obstetrics.
October 6th-17th	4-5	Otology	Otology	Otology	Otology	Otology
October 20th-31st	4-5	Ophthalmology	Ophthalmology	Ophthalmology	Ophthalmology.	Ophthalmology
November 3rd-7th	4-5	*Anaesthesia	*Anaesthesia	*Anaesthesia	*Anaesthesia	*Anaesthesia
November 10th-21st	4-5	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology	Oto-Laryngology
November 24th-December 5th	4-5	*History of Medicine	*History of Medicine	*History of Medicine	*History of Medicine	*History of Medicine
December 8th-12th	4-5	*Dentistry	*Dentistry	*Dentistry	*Dentistry	*Dentistry
December 15th-19th	4-5	*Medical Ethics	*Medical Ethics	*Medical Ethics.	*Life Insurance	*Life Insurance

SYSTEM OF CHANGING CLASSES.

Date.	Medicine.	Surgery. Pathology. Neurology.	Eye, Ear, Nose and Throat. Gynaecology. Gynaecological Pathology. Dermatology. Clinical Therapeutics. Psychiatry Obstetrics. Paediatrics. Syphilis. Genito-urinary Surgery.
Sept. 30 to Dec. 6.	Nos. 32 to 62	Nos. 63 to 94	Nos. 1 to 31.
Dec. 8 to Feb. 28.	Nos. 63 to 94	Nos. 1 to 31.	Nos. 32 to 62
Mar. 1 to May 8.	Nos. 1 to 31.	Nos. 32 to 62.	Nos. 63 to 94

*Questions on these subjects may be set on the papers in Medicine and Surgery.

THE MEDICAL BUILDING.

The Medical Building is situated between the University Library and the anatomical wing of the Biological Department.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which flank the main building; the larger has accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed the Antitoxin laboratories.

The three main floors of the building are arranged upon what has been called the unit-system, a unit-room being thirty feet long by twenty-three feet deep, lighted on its long face by large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing and the main portion of the building are occupied by the Department of Physiology and Biochemistry whilst the north wing accommodates the final departments of Medicine.

On the ground floor in the main portion are situated in front the Secretary's office, a large faculty room, a lavatory, and a library.

In the north wing in this floor are placed a chart and preparation room behind the lecture theatre, and on the third floor units are occupied by the Department of Pharmacology.

An interesting feature of the building is the provision which is made for research students by the presence of a series of small rooms in front of the south lecture room, each large enough to accommodate one or two workers.

As will be seen from the above description, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students.

As heretofore, lectures and demonstrations will be given in the east wing of the Biological building in Biology and in the west wing in Anatomy; in the Chemical Laboratories in Chemistry and in the Physics building in Physics. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

THE LIBRARY.

The University Library is contained in a building of its own, situated on the east side of the campus that lies to the south of the Main Buildings. All students who have paid a library fee to the Bursar of the University are

entitled to the privileges of the Library. Besides Reading Rooms the building contains Departmental Studies, which may be used as study-rooms by honour students in the various branches and in which the Professors hold seminary courses. The Library is opened at 8.45 every morning and remains open until 5.15 in the afternoon (6 p.m. during the second term). Books may not be taken out of the building during the daytime, but are lent for the night shortly before the hour of closing, to be returned the following morning before 10 o'clock. Books not in general demand, may on special application, be borrowed for a longer period. Failure to return a borrowed book at the proper time and other breaches of the regulations are punishable by fine or suspension from the privileges of the Library.

THE PATHOLOGICAL BUILDING.

This building is situated on University Avenue and connected by a covered corridor with the Out-patient Department and so with the rest of the Toronto General Hospital. On the basement, or ground floor, are the Pathological Museum, lecture room and autopsy room as well as students' coat room and lavatories. On the first floor are rooms for the Hospital Pathologist and the routine Hospital pathology and class rooms for pathological histology and bacteriology. On the second floor the Professor of Pathology and Lecturer in Bacteriology have their private laboratories, and there are rooms for the Departmental Library and special classes in Pathology, in addition to a set of laboratories for pathological chemistry for the use of students in the Fourth and Fifth Years. On the third floor are the class rooms for systematic instruction in pathological chemistry and the laboratories for the staff in this Department, including balance, polari-meter, combustion and experimental rooms. Above this in the roof is the accommodation for animals.

Connected with the autopsy room is a cold storage plant with accommodation for twelve cadavers, and by means of a brine circulation, refrigerators in the staff laboratories on the first, second and third floors are kept cold. For many of the laboratories too there is a compressed air service.

The lecture room has seats for about 150 students and is connected with a room for preparing experimental demonstrations.

The museum is planned especially for the instruction of students: a small catalogue room and a preparation room are connected with it.

The class rooms are divided into small units and are exceptionally well lighted.

Lockers are provided for more than 300 students in the laboratories for pathological chemistry so that every student working in the Hospital may have his own place and apparatus.

The building is of fire-proof construction throughout.

ROYAL ONTARIO MUSEUM.

Archaeology, Geology, Mineralogy, Palaeontology, Zoology.

Students of the University in all departments are recommended to avail themselves of the privileges of the Museum, which, although under separate control, is intimately connected with the work of the University.

The Museum is open on all week days from 10 a.m. to 5 p.m. The admission is free to the public on Tuesday, Thursday and Saturday. On other days an admission fee of fifteen cents is charged.

By a resolution of the Board of Trustees all regular students of the University may be admitted free on all days of the week by presenting their card of registration.

TORONTO GENERAL HOSPITAL.

The Hospital has more than seven hundred beds, and during the last year admitted to its wards 11,838 patients.

The Out-door Department, which has been elaborately equipped with especial attention to the requirements of teaching as well as treatment, is designed to receive and care for several hundred patients each day, if necessity demands. Last year 46,964 out-patients were treated.

The Hospital is for the treatment of acute medical and surgical diseases, and the members of the staff are, in nearly every instance, drawn from the University Medical Faculty.

The Hospital Block contains ten acres, and the group of buildings includes almost everything necessary to enable a student to acquire a practical knowledge of the profession of Medicine.

On the south-west corner is situated the large Pathological Building, which is also an integral part of the Hospital. In it are found the Pathological, Clinical, Chemico-Pathological and Vaccine Laboratories, as well as the Autopsy Room, Museums, etc. The Pathological Building is regarded as one of the most complete in America.

North of the Pathological Unit is found the Out-Patients' Department already referred to; then follows the Emergency Hospital, fully equipped with every modern device necessary for the immediate care and treatment of emergency patients. In this building arrangements have been made for the teaching and demonstration of practical methods in minor surgery.

The Medical Wing, the Administrative Building and Surgical Wing face College Street. These groups embody every modern requirement in hospital equipment, and special facilities for the student are provided—such as lecture room, lunch room, cloak room, etc.

Twelve Operating Rooms are to be found in the different Surgical sections. South of the Surgical Wing is located the Obstetrical Hospital with eighty beds.

The X-Ray Department is one of the most complete on the continent, and averages more than one hundred patients sent in for examination. Complete courses are given to the students, so that they can qualify themselves in X-ray work. A well equipped Hydro-Therapeutic Department exists in connection with the X-Ray Department.

Clinical Training.

Clinical instruction is given in the various departments of the Hospital on all classes of patients.

I. *Theatre Lectures:*—Clinical Lectures are given on patients brought from the wards to the large theatre, by the professors of clinical medicine and of clinical surgery to the students of the Third, Fourth and Fifth years.

II. *Instruction in the Wards:*—

(*a*) Medicine and Surgery:—A systematic course of bedside instruction is given to a limited class of students. Arrangements are such that each physician and surgeon or his assistant is in daily attendance for the purpose of imparting instruction at the bedside. By this means provision is made for continuous daily work in the ward, and students of the Third, Fourth, and Fifth years are required to avail themselves of it.

(*b*) Gynaecology:—Small classes of students receive instruction in diseases peculiar to women in the wards specially devoted to the treatment of such patients. These classes meet daily. Increased facilities have recently been provided for an out-door Gynaecological clinic.

(*c*) Obstetrics:—In the Obstetrical Hospital, final students are permitted to witness and assist in the conduct of *labours*. Students are also allowed to make engagements with out-patients and to attend them in confinement at their own home. The number of births in this Department last year was 855.

(*d*) Ophthalmology, Otology, Laryngology and Rhinology:—Diseases of the eye, ear, throat and nose are studied in the wards of the Andrew Mercer Infirmary.

III. *Surgical Operations:*—Surgical operations are performed in the various operating theatres every morning, or in cases of emergency at any time during the day or night when required.

IV. *Out-patients' Clinics:*—The recent provision which has been made for the accommodation of out-patients will afford unsurpassed facilities for instruction in the important class of diseases which here pass under observation. Physicians and Surgeons are in attendance daily, and the patients serve to illustrate the instruction. The cases presenting themselves in the special departments of the Hospital devoted to diseases of the eye, ear, etc., are available in the same manner. There also is an out-door clinic in gynaecology.

V. *Pathology:—*

(*a*) Autopsies:—These are performed at stated hours by the Professor or the Demonstrator of Pathology. The examinations are conducted in a systematic way, and instruction on the morbid conditions found is imparted to the students. The bearings of the gross post-mortem appearances on the conditions previously found at the bedside are carefully investigated and, when necessary, arrangements are made for further examination, microscopical and chemical. There were 199 autopsies during the year.

(*b*) The examination and analysis of the various fluids, excreta and pathological products of patients in the wards, are conducted in the University Hospital laboratory. Students are required to keep systematic records of the results obtained by these examinations.

Clinical Clerks and Surgical Dressers.

Clinical clerks and surgical dressers are appointed to act for limited periods. They are required to take complete histories of cases allotted to them, and to receive certificates for the same, as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of gynaecology, ophthalmology and otology.

Every student in the Department of Surgery shall be required to take the history, attend the dressing and keep the record of four cases in the Ward.

If any such cases come to operation he shall attend the same, disinfect himself, don an operating gown and come within the pale of the theatre to render such assistance as may be required of him, and to record the facts of the operation and the result. If any such come to post-mortem examination he shall attend the same, render such assistance as may be required of him and record the findings.

Students in Clinical Medicine shall be required to observe this last regulation respecting attendance at post-mortem examinations.

Resident Assistants in the Hospital.

A number of resident assistants are appointed annually from the graduates in medicine of the University, and hold their positions for two years.

They will have full opportunities for acquiring experience in the general and special wards of the Hospital, and during the session they will have charge under the physicians and surgeons in the general wards.

HOSPITAL FOR SICK CHILDREN.

This large Hospital, with 250 beds, is entirely devoted to diseases in children, there having been 5,048 cases treated during the last year. In the Out-patient Department, 39,583 patients were attended. The old building

has been remodelled and a large new wing has been built on the west side of the present building. These alterations and additions include new operating theatres, out-patient department, pathological laboratories and wards for infectious cases. In the clinics, cases exemplifying the various diseases in infancy and childhood will be exhibited. Abundant opportunities for a personal examination of all cases are afforded.

Resident assistants are appointed annually from the graduates in medicine of the University, and hold their position for the year. The opportunity thus afforded for obtaining a practical knowledge of this very important department of medical practice is unsurpassed.

ST. MICHAEL'S HOSPITAL.

This institution is conducted as a General Hospital, where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was 5,095 while 16,760 cases were treated in the out-patient department. There were 402 births in the Obstetrical Department. The accommodation has been enlarged by the addition of a new wing, so that there are now 400 beds. An operating theatre has been provided constructed with all the necessary modern equipment for the practice of antiseptic surgery.

Clinical instruction is given in this Hospital by those members of the staff who are also on the teaching staff of the University of Toronto. Opportunity is also provided for the study of Pathology. Post-mortem examinations are conducted systematically so that students may avail themselves of the material in this department. Clinical clerks and surgical dressers are appointed from the students in attendance at the Hospital.

Resident assistants are appointed annually from the graduates in Medicine of the University of Toronto.

TORONTO WESTERN HOSPITAL.

This is a modern institution affording excellent opportunities for clinical study. During the past year 4,700 patients were admitted, making a daily average of 197. There is an out-door service where dental, tubercular, surgical, medical, gynaecological and special clinics are held; the number of patients treated in the Out-patient Department last year was 10,173.

An X-Ray Department, a clinical laboratory and a morgue are aids to the students in the pursuit of their studies.

Two large operating theatres are provided and the operations performed last year numbered 2,449. There is also an Obstetrical Department.

There are four public wards specially adapted for clinical teaching each containing thirty beds; two of these wards are devoted to medical and two to surgical cases.

Resident assistants are appointed from the graduates and undergraduates in Medicine of the University of Toronto.

GENERAL INFORMATION FOR STUDENTS.

PHYSICAL TRAINING.

By order of the Board of Governors each male student proceeding to a degree must take Physical Training in the First and Second Years of his attendance. He must first undergo a medical examination by the Physical Director of the University to determine the character of his training.

DISCIPLINE.

The Council of University College and the governing bodies of the federated universities and colleges, respectively, have disciplinary jurisdiction over and entire responsibility for the conduct of their students in respect of all matters arising or occurring in or upon their respective college buildings and grounds, including residences.

The councils of such of the faculties as have assigned for their separate use any building or buildings and grounds, including residences, have disciplinary jurisdiction over and entire responsibility for the conduct of all students in their respective faculties in respect of all matters arising or occurring in or upon such building or buildings and grounds.

In all such cases, and, save as aforesaid, as respects all students to whatsoever college or faculty they may belong, disciplinary jurisdiction is vested in the Caput, but the Caput may delegate its authority in any particular case or by any general regulation to the council or other governing body of the university or college or faculty to which the student belongs.

If there be any question as to the proper body to exercise jurisdiction in any matter of discipline which may arise, the same shall be determined by the Caput, whose decision shall be final.

Disciplinary jurisdiction includes the power to impose fines.

REGULATIONS RELATING TO STUDENTS.

1. No student will be registered in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Faculty Council or Caput to be prejudicial to the interests of the University. Registration in any year does not entitle a student to registration in a subsequent year.

2. Students are required to attend the course of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

3. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

4. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

5. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Caput. All programmes of such societies or associations must, before publication, receive the sanction of the Caput. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

6. The name of the University is not to be used in connection with a publication of any kind without permission of the Caput.

THE UNIVERSITY OF TORONTO MEDICAL SOCIETY.

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Faculty of Medicine and its object is to deal with all matters pertaining to the general interest and welfare of the students, especially:—

(*a*) To encourage interest in general medical science and literature, and in pursuit of medical studies.

(*b*) To provide a supply of daily newspapers, periodicals, magazines and music for the reading rooms; also telephones for the convenience of students.

(*c*) To be a means of communication between the Student body and the Faculty or others, when such communication is desirable.

(*d*) To provide a series of entertainments for students at intervals during the Session.

(*e*) Each student will be required to pay the annual fee of two dollars to the Treasurer of the Society, to be divided as follows:—

Medical Society Fee	$1.00
Athletic Fee	.25
Class Fee	.75

UNIVERSITY OF TORONTO YOUNG MEN'S CHRISTIAN ASSOCIATION.

The aim of this organization is to be of service to the undergraduates. At the commencement of the fall term it conducts a general information bureau where lists of inspected boarding houses are kept. Handbooks containing information that is of interest and importance to every student are presented to the men by the Association. The dose tables, prescriptions and chemical tests which are included in the Medical edition of this handbook make it of permanent value to every student in Medicine. The Association also endeavours to assist the men of the first year to become acquainted with each other and with men outside their own class by arranging a reception for them early in the year. For those students who find it difficult to meet all the expenses of a college course an employment bureau was opened last year, by means of which employment was provided for the spare hours of a few deserving students.

On Sunday mornings, for a greater part of the academic year, the Colleges' Sermon Series is conducted in the University Convocation Hall. The preachers at these services are among the strongest speakers to students in Canada and the United States.

The Bible Study Department of the Association has proven most interesting and helpful to the students. The method adopted for this study is the group system which means that the men who are following the work meet in groups of from six to eight in number at a time and place convenient to the members of the individual group. Each group is led—not taught—by a fellow student. As a result of the freedom of discussion which this method assures, and of the systematic nature of the study, great interest is aroused in the things which really count in life.

Mission Study classes are conducted on the same principle and afford an excellent opportunity for acquiring an acquaintance with the great world problems of our age.

ALPHA OMEGA ALPHA HONOUR MEDICAL SOCIETY.

A chapter of the Alpha Omega Alpha has been in existence in the University of Toronto since 1906. This society, which has chapters in all the principal Medical Schools of Canada and the United States, is a student organization founded for the furtherance of Medical Research. Entrance to it is dependent entirely upon standing at examinations. Its activities consist in a series of bi-weekly meetings held during the winter session, for which papers are prepared and read by the student members.

REGULATIONS FOR LICENCE TO PRACTISE.

For official information of all matters relative to the regulations for licence to practise in the various Provinces in the Dominion, students should communicate with the Registrar. The following is a list of the names and addresses of the Registrars of the Medical Councils:

For official information regarding the Medical Council of Canada address: Dr. R. W. Powell, 180 Cooper Street, Ottawa, Canada.

Ontario—Dr. H. W. Aikins, 170 University Ave., Toronto.
Quebec—Dr. J. Gauvreau, 30 St. James Street, Montreal, and Dr. C. R. Paquin, Quebec, P.Q.
New Brunswick—Dr. John S. Bentley, St. John.
Nova Scotia—Dr. W. H. Hattie, Halifax, N.S.
Prince Edward Island—Dr. S. R. Jenkins, Charlottetown.
Newfoundland—Dr. H. Rendell, St. John's, Newfoundland.
Manitoba—Dr. J. S. Gray, 358 Hargrave Street, Winnipeg, or W. J. Spence, Registrar University of Manitoba, Winnipeg.
Alberta—Dr. G. Macdonald, Calgary, Alta.
Saskatchewan—Dr. G. A. Charlton, Regina.
British Columbia—Dr. A. P. Proctor, Victoria, B.C.

The following concession has been granted by the College of Physicians and Surgeons of British Columbia:—

"That this Council would deputize the Faculty of the various Universities to act as an examining board, but that candidates before being allowed to proceed with the examination must be able to present to the Registrar of such University a receipt from the Registrar of the Council of the College of Physicians and Surgeons of British Columbia showing they had paid their examination fee of one hundred dollars ($100.00).

THE FACULTY OF MEDICINE AND THE WAR.

THE UNIVERSITY OF TORONTO C.O.T.C.

The formation of the University of Toronto Contingent of the Canadian Officers' Training Corps was authorized on October 15th, 1914. Lieut.-Col. W. R. Lang, C.E., Professor of Chemistry in the University, was appointed Commanding Officer, with Major C. S. McVicar Second in Command. Twelve companies were organized, two (F. and G.) being assigned to the Faculty of Medicine, under Captains E. S. Ryerson and W. F. McPhedran. Through both terms of the session 1914-1915, drill and instruction by lectures were given to each company on three afternoons of the week. Before the close of the session many of the members had left to join various active service units, notably the 25th and 26th batteries, C.F.A., No. 2 Casualty Clearing Station, No. 5 Field Ambulance, and No. 4 General Hospital (University of Toronto). With the last named went Major C. S. McVicar, Captain E. S. Ryerson, Lieutenants R. G. Armour, D. A. L. Graham and J. G. Gallie. Captain L. Gilchrist succeeded Captain Ryerson in the command of F Company, and remained in charge till the summer of 1916, when he left to take an appointment in the Ontario Military Hospital at Orpington.

During the summer of 1915 many members of the Corps went on active service. In October of that year the Corps was again about 1,500 strong, but in the course of the session 1915-1916 its numbers rapidly diminished owing to the continuous enlistments for overseas service.

In October, 1916, F and G Companies were combined and took training under Lieut. C. A. Rae, who in March, 1917, received an appointment in the C.A.M.C. and proceeded overseas.

To the students of the Faculty of Medicine the C.O.T.C. has been of service in two ways. For those who have joined the combatant services it has provided the same course of infantry training as for the students of other faculties. For those who have joined the medical units it has provided the preliminary training and knowledge of organization which are required in all branches of the service. In addition, special courses in A.M.C. work have been carried out under the direction of the A.D.M.S. of this military district.

Those who organized the C.O.T.C. have the satisfaction of knowing that the Medical graduates from 1915-1918 and the undergraduates of the corresponding period who have gone on Active Service and often won marked distinctions, the majority were formerly members of the Corps. In addition there are the many graduates of previous years, whose names are on the Roll of Service.

No. 4 CANADIAN GENERAL HOSPITAL (UNIVERSITY OF TORONTO).

On the 15th of May, 1915, the University of Toronto sent a General Hospital of 1,040 beds to the Front. The officers, forty-three in number were drawn from the members of the Faculty of Medicine, under the leadership of Colonel J. A. Roberts. This unit was splendidly equipped as University of Toronto graduates and others voluntarily subscribed large sums of money and also sent in useful supplies. No less than six ambulances were donated, as well as several motors of different descriptions.

The interest in this particular hospital has been widespread and it has attracted attention in the United States. The Daughters of the Empire in Cleveland have been most kind and generous in sending supplies and equipment, including a motor ambulance and a truck—and a graduate in Chicago supplied a touring car.

After reaching England the unit was broken up for a time—the physicians and surgeons doing duty in different parts of England and France; the nursing sisters were distributed in the hospitals of England and France, but eventually the majority of the medical staffs were gathered in Shorncliffe, where they took charge of the military hospital.

On October 18th, 1915, the unit left England for the Mediterranean, sailing from Plymouth on board a transport. The sisters were sent on a hospital ship and were thus temporarily separated from the rest of the unit. After a short visit to Malta and Alexandria, the unit proceeded to Salonica where, on November 10th, the Hospital was established under canvas, on a plain four miles from the town.

Throughout the winter the Hospital carried on their work and a great deal was accomplished for the relief of the sick and wounded. On May 25th, 1916, the Hospital was transferred to a new site on a small peninsula forming the eastern boundary of the harbour of Salonica. On the new site wooden huts had been erected; these were of a substantial character and provided excellent accommodation for efficient work. Certain huts were utilized as wards, others were set apart as operating rooms, pathological laboratory, X-ray room and dental hut. Special groups of huts formed the living rooms of the personnel of the unit and others the administrative offices. The wards were furnished with comfortable beds and each bed was provided with an ample canopy of mosquito netting. The Hospital had its own electric light and power plant and was also equipped with a special water supply and sewage system.

The equipment of the Hospital on its new site was complete in every particular. Originally it had accommodation for 1,040 beds but later this was extended to 2,000 beds. During the summer of 1916 an enormous number of patients were treated for diseases peculiar to the climate, in particular malaria and dysentery were rife. A large number of surgical cases also were treated in the surgical wards, under ideal conditions. During the first twelve months of their sojourn in Salonica 17,682 patients were

admitted to the wards. In many ways the experience gained was invaluable to the teachers from the University as it gave them a new point of view and added to their knowledge of the diseases of the East. From June 1916 to November of the same year, no less than 5,188 cases of malaria were observed and treated, and other types of diseases incident to the East. The percentage of deaths was .005, a rate that is very small indeed.

In March, 1917, the Dental Department received great praise. Lt-Col. Gow was called to see the aged King of Serbia, for whom he extracted several teeth and made a couple of dentures. As a result Col. Gow received the decoration "Order of the White Eagle"—fourth class; Capt. Shields who administered the anaesthetic, "Order of Savva"—fifth class; Corporal A. Smith, Privates T. A. Jones and A. W. Jones each received medals of the Crown Prince's Household.

Col. J. A. Roberts returned to England in poor health the latter part of 1916, and was succeeded by Col. W. B. Hendry. Col. Roberts had a brilliant record, and his distinguished services were acknowledged by the King, who gave him the rank of C.B. Col. Hendry, who is immensely popular with all members of the Hospital unit, has proved a worthy successor to Col. Roberts, and has upheld the traditions of the University in every way possible.

After establishing a most flattering reputation in the East, the Hospital was transferred September 1917 to England, and shortly after their arrival they were assigned to Basingstoke, Hants, one of the best of the medical hospitals in England. It was built for a hospital for the Insane and is magnificently equipped with a duplicate "plant" for almost everything in the mechanical line. It provides accommodation for more than two thousand patients.

At the time of the signing of the Armistice the Hospital was actively occupied with its war work and since that date has been kept exceedingly busy owing to the fact that so many Hospital units in France have been demobilized.

LIST OF STAFF OF THE FACULTY OF MEDICINE OF THE UNIVERSITY OF TORONTO ON MILITARY SERVICE.

JOHN ANDREW AMYOT, C.M.G., M.D.,
Professor of Hygiene,
Overseas. Major with No. 4 Canadian General Hospital; Transferred—Lt.-Col., Sanitary Advisor to the Canadian Forces in England. Thereafter at Headquarters 2nd Army, B.E.F., now Consultant in Sanitation to D.M.S., Canadians.

ROBERT GARDNER ARMOUR, B.A., M.B.,
Assistant in Clinical Medicine,
Overseas. Major with No. 4 Canadian General Hospital, Salonica, Greece. Hospital removed to Basingstoke.
Neurologist, Mil. District No. 10, Winnipeg, Canada.

FREDERICK ALLEN AYLESWORTH, M.D., C.M.,
Assistant in Ophthalmology,
Home Service. Ophthalmic Cases in Military Wards, Toronto General Hospital.

WILLIAM HAROLD TREVORROW BAILLIE, M.A., M.B.,
Lecturer in Comparative Anatomy,
Capt. C.A.M.C.—A.D.M.S. Staff, Bramshott, Hants, England.

HERBERT WILLIAM BAKER, B.A., M.B.,
Assistant in Surgery and Pathology,
Overseas.

GORDON ANDERSON BATES, M.B.,
Assistant in Clinical Medicine,
Home Service. Captain. In charge of Venereal Diseases in M.D. No. 2.

HARRY KENDALL BATES, M.B.,
Demonstrator in Anatomy,
Overseas. Capt., Central Military Hospital, Shorncliffe, Eng. Later—Headquarters Central Group, Can. Forestry Group, B.E.F., France. C.A.M.C. Can. Spec. Hosp., Etchinghill, Kent, Eng.

GEORGE MAITLAND BIGGS, M.B.,
Assistant in Oto-laryngology,
Home Service. Captain. Military Ward, Toronto General Hospital.

DAVID HARVEY BODDINGTON, M.B.,
Assistant in Clinical Laboratory,
Overseas. Major Siberian Expeditionary Force.

EDMUND BOYD, B.A, M.B.,
Assistant in Oto-laryngology,
Overseas. Capt. C.A.M.C.

GEORGE FLORIAN BOYER, M.D.,

Assistant in Clinical Medicine,

Overseas. Major with No. 4 Canadian General Hospital, Salonica.

Transferred—A.D.M.S. Staff, Canadians; later to Granville Canadian Special Hospital, Ramsgate. Physician in charge of Neurology, Buxton Hospital, Buxton, England, and later of Central Military Hospital, Toronto.

THOMAS GREGOR BRODIE, M.D., F.R.S.,

Professor of Physiology,

Capt. No. 4 Canadian General Hospital (On special duty.) (Died, August 20th, 1916.)

HERBERT ALEXANDER BRUCE, M.D., F.R.C.S., Eng.,

Associate Professor of Clinical Surgery,

Col. Consulting Surgeon to the British Forces in France under the War Office.

IRVING HEWARD CAMERON, M.B., LL.D., F.R.C.S.,

Professor of Surgery and Clinical Surgery,

Overseas. Col., Head of Surgical Staff, Ontario Base Hospital, Orpington, Kent, England.

Transferred—Consultant (Surgical) on Staff, D.G.M.S., Canada. Later—President Consultant Board, D.G.M.S. Branch, Canada.

JOHN GEORGE ALEXANDER CAMPBELL, B.A., M.B.,

Assistant in Pathology,

Overseas. Capt. Sanitary Section, C.A.M.C., attached to No. 5 Canadian Mobile Laboratory, B.E.F., France.

WALTER RUGGLES CAMPBELL, M.A., M.D.,

Demonstrator in Pathological Chemistry,

Overseas. Captain C.A.M.C.

ALFRED HANS CAULFEILD, M.B.,

Special Assistant in Research in Medicine,

Overseas. Captain. Detailed for special duty with National Medical Research War Hospital, Croydon, with Prof. Hort. Later—to Addington.

Transferred—No. 1 Canadian General Hospital, France, then to No. 8 Canadian Field Ambulance.

Now—Detailed to Research on Gas Gangrene in Divisional Laboratory, Toronto.

GRAHAM CHAMBERS, B.A., M.B.,

Associate Professor of Clinical Medicine,

Overseas. Hon. Lt.-Col. with No. 4 Canadian General Hospital,

Transferred—Head of Medical Staff, Ontario Base Hospital, Orpington, Kent, England.

Later—Of Moore Barracks Military Hospital.

FREDERICK ADAM CLELAND, B.A., M.B.,
Assistant in Clinical Surgery,
Overseas. Major. C.A.M.C. Siberian Expeditionary Force.

HERBERT ERNEST CLUTTERBUCK, M.B.,
Assistant in Gynaecology,
Overseas. Lt.-Col. with No. 13 Base Hospital, Boulogne, France.
Transferred—In charge of Surgery, No. 8 Casualty Clearing Hospital, Bailleul. Capt. R.A.M.C. No. 20 G.H., France. R.A.M.C. ½ Officers Div. No. 20 G.H., France.

C. EDMUND COOPER COLE, B.A., M.B.,
Demonstrator in Therapeutics,
Overseas. Capt. M.O. of Princess Patricia Canadian Light Infantry, C.E.F.
Later—Major on Staff of Duchess of Connaught Canadian Red Cross Hospital, Cliveden, Bucks. Later—Lieut.-Col. Bramshott Hospital, Bramshott, Hants, England. Lt.-Col. O.C. Whitby Conval. Hospital—No. 11 British G.H., France.

ALLAN FREETH COVENTRY, B.A.,
Lecturer in Vertebrate Embryology,
Home Service. Capt. District Intelligence Officer, Military District No. 2.
Later—Overseas with 1st Canadian Tank Battalion.

MALCOLM MCLACHLAN CRAWFORD, M.B.,
Demonstrator in Obstetrics,
Overseas. Major. Adjutant with Ontario Base Hospital, Orpington, Kent.
Transferred to D.G.M.S., Office, Canada.

JABEY HENRY ELLIOTT, M.B.,
Associate in Medicine and Clinical Medicine,
Home Service. Consultant in Chest Cases in M.D. No. 2.

ANDREW ALMON FLETCHER, M.B.,
On enlistment, Junior Research Fellow in Medicine,
Overseas. Capt. with No. 4 Canadian General Hospital, Salonica.
Transferred—Office of A.D.M.S., Canadians, London Area; then to Granville Canadian Special Hospital, Ramsgate.
Later—Major M.O. Central Military Hospital, Toronto.

JOHN GERALD FITZGERALD, M.B.,
Associate Professor of Hygiene,
Home Service. Major. Second Sanitary Officer, 2nd Military Division.
Later—Overseas with R.A.M.C. Major O.C. No. 39 Mobile Labty.

John Taylor Fotheringham, C.M.G., B.A., M.B., M.D., C.M.,
Associate Professor of Medicine and Clinical Medicine,
Overseas. Lt.-Col., Assistant Director Medical Services 2nd Division, Canadian Expeditionary Forces.
Transferred—Surgeon-General, C.E.F., and D.M.S. Invalids, Ottawa. Later—A/D.G.M.S., Canada.

Robert Edward Gaby, B.A., M.D.,
Demonstrator in Anatomy and in Clinical Surgery,
Overseas. Capt. with No. 4 Canadian General Hospital, Salonica.
Transferred—M.O. Toronto General Hospital, Military Wards.

John Gordon Gallie, B.A., M.B.,
Assistant in Obstetrics,
Overseas. Capt. with No. 4 Canadian General Hospital, Salonica.
Transferred—Kitchener General Hospital. (Resigned).

William Edward Gallie, M.B., F.R.C.S., Eng.
Demonstrator in Clinical Surgery,
Overseas. Captain. C.A.M.C., Buxton Hospital, England.

Lachlan Gilchrist, M.A., Ph.D.,
Assistant Professor of Physics,
Overseas. Capt. X-Ray Department, Ontario Military Hospital, Orpington.

Perry Gladstone Goldsmith, M.D.,
Demonstrator in Oto-Laryngology,
Overseas. Lt.-Col. Eye and Ear Hospital, Folkestone, Eng.
Later—Officer in charge, Canadian Convalescent Officers Hospital, Broadstairs, England.
Later—O.C. Officers Convalescent Hospital, Matlock, Derbyshire.

William Goldie, M.B.,
Associate Professor in Clinical Medicine,
Overseas. Capt. with No. 4 Canadian General Hospital, Basingstoke.

Andrew Robertson Gordon, M.B.,
Associate Professor of Clinical Medicine,
Overseas. Hon. Lt.-Col. No. 4 Canadian General Hospital. (Died, December 16th, 1916).

Duncan Archibald Lamont Graham, M.D.,
Lecturer in Bacteriology,
Overseas. Lt.-Col. with No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.

Roscoe Reid Graham, M.B.,
Assistant in Clinical Surgery,
Overseas. Capt. with Medical Board, London, England. C.A.M.C. No. 4 Can. G.H., Basingstoke.

CHARLES H. HAIR, M.D., C.M.,
Assistant in Clinical Surgery,
Overseas. Captain. C.A.M.C. Siberian Expeditionary Force.

BEVERLEY HANNAH, M.B.,
Assistant in Clinical Medicine,
Overseas. Capt. C.A.M.C.

FREDERICK CHRISTOPHER HARRISON, B.A., M.B.,
Assistant in Pharmacology,
Home Service. Capt. C.A.M.C., M.O., R.A.F.

WILLIAM BELFRY HENDRY, D.S.O., B.A., M.B.,
Associate in Gynaecology,
Overseas. Lt-Col., Second in Command, No. 4 Canadian General Hospital, Salonica.
Later—Colonel and Officer Commanding No. 4 Canadian General Hospital, Salonica. Hospital removed to Basingstoke, Hants., England.

SAMUEL ROSS DELAP HEWITT, M.B.,
Assistant in Therapeutics,
Overseas. Capt. No. 4 Canadian General Hospital, Salonica.
Transferred—Standing Medical Board, M.D. No. 2, Canada.

VELYIEN EWART HENDERSON, M.A., M.B.,
Associate Professor of Pharmacy and Pharmacology,
Overseas. Major with 198th Battalion, C.E.F.
Later—Capt. No. 14 Canadian Field Hospital, France.

ROBERT HOME, M.B.,
Demonstrator in Anatomy,
Overseas. Capt. with 107th Field Ambulance, R.A.M.C.
(Killed in Action, April 27th, 1917.)

GOLDWIN WILLIAM HOWLAND, B.A., M.B., M.R.C.P., Lond.
Home Service. Capt. Base Hospital, Toronto.
Resigned—August 1918.

ANDREW HUNTER, M.A., B.Sc., M.B., Ch.B., Edin.,
Home Service. Capt. Divisional Laboratory Unit, M.D. No. 2.

CYRIL GRAY IMRIE, M.D.,
Lecturer in Chemical Pathology,
Overseas. Capt. No. 4 Canadian General Hospital, Salonica.
Transferred—Pathologist, Ontario Military Hospital, Orpington, Kent.

FRANCIS BOTELER KENRICK, M.A., Ph.D.,
Associate Professor of Chemistry,
Home Service. Instructor at School of Instruction.

WILLIAM ROBERT LANG, D.Sc., F.I.C.,
Professor of Chemistry and Director of the Chemical Laboratory,
Home Service. Colonel. General Staff Officer in charge of Instruction, M.D. No. 2.
Transferred to Military Division No. 6, Hdqts. East Halifax.

Julian Derwent Loudon, B.A., M.B., M.R.C.S., L.R.C.P.,
Assistant in Clinical Medicine,
Home Service. Capt. C.A.M.C. Standing Medical Board, M.D. No. 2.

Gladstone Wilfred Lougheed, M.D.,
Assistant in Pathology,
Overseas. Capt. M.O. of 134th Battalion, C.E.F.
Later—4th Canadian Field Ambulance, B.E.F., France.

Oliver Raymond Mabee, M.D., C.M., McGill.,
Assistant in Clinical Surgery and Pathology,
Overseas. Capt. C.A.M.C.

Samuel John Newton Magwood, M.B.,
Assistant Demonstrator in Obstetrics,
Overseas. Major.
Transferred—No. 2 Canadian Casualty Clearing Station.
Later—On Staff, D.G.M.S., Ottawa. Now attached—Office A.D.M.S., M.D. No. 2.

William John Ogilvie Malloch, B.A., M.B., F.R.C.S.,
Associate in Clinical Surgery,
Overseas. Lieut.-Colonel. No. 4 Canadian General Hospital, Salonica. Hospital removed to Basingstoke.
(Died February 18th, 1919.)

Frederick William Marlow, M.D., C.M., F.R.C.S.,
Associate Professor of Gynaecology,
Home Service. Lt.-Col. 2nd Division, A.D.M.S.
(Resigned).

Percival Keith Menzies, B.A., M.B.,
Assistant in Clinical Surgery,
Overseas. Major. No. 2 General Hospital, Le Treport, France.
Transferred—Major, Bramshott Military Hospital, England.
Later—Buxton Hospital, Buxton, England.

Andrew Samuel Moorhead, M.B., F.R.C.S., England.
Assistant in Clinical Surgery,
Lieut. R.A.M.C.

John Alexander McCollum, M.B.,
Assistant in Clinical Surgery,
Overseas. Capt. Granville Canadian Special Hospital, Ramsgate. Now at Buxton.

Donald McGillivray, M.B.,
Associate in Clinical Medicine,
Overseas. Major. No. 4 Canadian General Hospital, Salonica.
Later—Lt.-Col., in charge of Medical side of No. 4 Canadian General Hospital, Salonica.
Consultant, D.G.M.S. Branch, Canada.
(Resigned).

WILLIAM GRAHAM MACKECHNIE, M.D., C.M.,
Assistant in Oto-laryngology,
Home Service. Capt. C.A.M.C., M.O., R.A.F.

JOHN JOSEPH MACKENZIE, B.A., M.B.,
Professor of Pathology and Bacteriology and Curator of the Pathological Museum and Laboratories,
Overseas Capt. No. 4 Canadian General Hospital, Salonica. Hospital removed to Basingstoke. (Resigned).

ALEXANDER JOHN MACKENZIE, B.A., M.B., LL.B.,
Demonstrator in Pathology and in Clinical Medicine,
Overseas. Major. Moore Hospital, Shorncliffe, England.
Later—Lt.-Col., in charge of Medicine, Moore Barracks Hospital.
Later—Col. i/c of Medical Department, Granville Canadian Specialists Hospital, Ruxton, England.
Now—Officer Commanding, Camp Hospital, Halifax.

PATRICK WALTER HUGHES MCKEOWN, B.A., M.B.,
Associate Professor of Clinical Surgery,
Overseas. Hon. Lt.-Col. No. 4 Canadian General Hospital, Salonica.
Transferred—President of the Standing Medical Board Shorncliffe, England.
Col. Kitchener Army Hosp., Brighton, England.

JOHN HARRIS MCPHEDRAN, M.D.,
Demonstrator in Anatomy and in Clinical Medicine,
Overseas. Major. No. 4 Canadian General Hospital, Salonica. Ontario Military Hospital, Orpington, Kent.

HENRY ALLEN MCTAGGART, M.A., Tor., B.A., Cantab.,
Demonstrator in Physics,
Capt. In charge of X-Ray Department, No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.

CHARLES STANLEY MCVICAR, M.B.,
Demonstrator in Clinical Medicine,
Overseas. Major. No. 4 Canadian General Hospital, Salonica.
Transferred—Lt.-Col., Board of Pension Commissioners for Canada.
Later—In charge of Medicine, Orpington, England; then Consultant in Medicine, M.D. No. 2.
Now—Officer Commanding Dominion Orthopaedic Hospital, Toronto.

BREFNEY ROLPH O'REILLY, O.B.E., M.D., C.M.,
Demonstrator in Clinical Medicine,
Sr. M.O. Royal Air Force, M.D. No. 2.

FRANK STEWART PARK, B.A., M.B.,
Assistant in Clinical Medicine,
Overseas. Capt. M.O. of 4th Canadian Mounted Rifles, C.E.F. (Prisoner of war at Gutensloh). Repatriated 1918.
Later—School of Orthopædic Surgery and Physio-therapy, Toronto.

CHARLES BEMISTER PARKER, B.A., M.B.,
Assistant in Clinical Surgery,
Overseas. Capt. C.A.M.C., M.O., R.A.F.

HAROLD CAMPBELL PARSONS, B.A., M.D., C.M., M.R.C.P.,
Associate in Clinical Medicine,
Overseas. Lt.-Col. No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.
Consultant D.G.M.S. Office, Canada.

ROBIN PEARSE, F.R.C.S., L.R.C.P.,
Assistant in Clinical Surgery,
Overseas. Capt. No. 4 Canadian General Hospital, Salonica.
Transferred—Office of A.D.M.S., London Area.

GEORGE ROWE PHILP, M.B.,
Demonstrator in Anatomy,
Overseas. Capt. No. 2 Canadian General Hospital, Le Treport, Major. Field Ambulance, C.A.M.C., B.E.F.
Later—Lt.-Col., O.C. No. 8 Canadian Field Ambulance, B.E.F., France. On duty in Canada, A.D.M.S., Petawawa Camp.
Transferred—Board of Pension Commissioners for Canada.

ALEXANDER PRIMROSE, C.B., M.B., C.M.,
Professor of Clinical Surgery,
Overseas. Hon. Lt.-Col. No. 4 Canadian General Hospital, Salonica.
Transferred—Colonel. Consulting Surgeon, Staff, D.M.S., Canadians, London.
Later—Returned to Canada. Consultant in Surgery, M.D. No. 2.

GEORGE EARLE RICHARDS, M.B.,
Assistant in Clinical Medicine,
Overseas. Capt. R.A.M.C.
Later—In charge of X-Ray work, M.D. No. 2.

THOMAS BEDFORD RICHARDSON, M.D., C.M., F.R.C.S.,
Associate in Clinical Surgery,
Home Service. Lt-Col. Medical Officer in charge of Mobilization Centre, Sudbury, Ont.
Transferred—Board of Pension Commissioners for Canada.

ERNEST FULTON RISDON, D.D.S., M.B.,
Demonstrator in Anatomy for Dental Students,
Overseas. Capt. C.A.M.C. Sidcup Hospital, England.

JAMES ALEXANDER ROBERTS, C.B., M.B., L.R.C.P., F.R.C.S.,
Demonstrator in Clinical Surgery,
Overseas. Colonel. O.C. No. 4 Canadian General Hospital, Salonica. Transferred to O.C., Taplow.
Later—Officer Commanding Canadian Military Hospital, Basingstoke, England; now D.D.M.S., London Area.

DAVID EDWIN ROBERTSON, M.B.,
Demonstrator in Pathology and Assistant Curator of the Pathological Museum,
Assistant in Clinical Surgery,
Overseas. Major. No. 1 Field Ambulance, C.E.F., First Div.
Orthopædic Surgeon, Dominion Orthopædic Hospital, Toronto.

LAWRENCE BRUCE ROBERTSON, B.A., M.B.,
Assistant in Pathology and in Clinical Surgery,
Overseas. Major. No. 2 Casualty Clearing Station, France.
Orthopædic Surgeon, Davisville Military Hospital, Toronto.

ALBERT HILL ROLPH, M.B.,
Overseas. Capt. C.A.M.C.
Transferred—I/c X-Ray Department, 7th Canadian Stationary Hospital, C.A.M.C., France.

GILBERT ROYCE, B.A., M.B.,
Demonstrator in Oto-Laryngology,
Overseas. Capt. No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.
Later—Lt.-Col. O.C. Canadian Convalescent Hosp., North Bromley, Kent.
Consultant in Oto-laryngology, M.D. No. 2.

ROBERT DAWSON RUDOLF, C.O.B.E., M.D., C.M., F.R.C.P.,
Professor of Therapeutics,
Overseas. Lt.-Col. No. 2 Canadian General Hospital, Le Treport.
Transferred—Colonel, Consultant in Medicine, Staff, D.M.S. Canadians, London.

EDWARD STANLEY RYERSON, M.D., C.M.,
Associate in Clinical Surgery,
Overseas. Major. No. 4 Canadian General Hospital, Salonica,
Transferred. Lt.-Col. A.D.M.S., M.D. No. 2, Toronto, Canada.
(Resigned).

WALLACE ARTHUR SCOTT, B.A., M.B., F.R.C.S.,
Associate in Clinical Surgery,
Demonstrator in Anatomy,
Overseas. Lt.-Col. Moore Barracks Hospital, Shorncliffe, England.
Later—Colonel, Officer Commanding Moore Barracks Hospital.

William Albert Scott, B.A. (McMaster), M.B.,
Assistant Demonstrator in Obstetrics and Gynaecology,
Overseas. Capt. No. 4 Canadian General Hospital, Basingstoke. Resboro Barracks, Shorncliffe.

Noble Carman Sharpe, B.A., M.B.,
On enlistment, Junior Research Fellow in Medicine,
Overseas. Major. No. 4 Canadian General Hospital, Salonica.
Transferred—Office A.D.M.S., Canadians, London.

Norman Strachan Shenstone, M.D.,
Demonstrator in Clinical Surgery,
Overseas. Capt. Ontario Base Hospital, Orpington, Kent.
Transferred—M.O. Toronto General Hospital, Military Wards.

Harry James Shields, B.A., M.B.,
Assistant in Pathology,
Overseas. Capt. No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.

Charles Buckingham Shuttleworth, M.D., C.M., F.R.C.S., England.
Associate in Surgery and Clinical Surgery,
Home Service. Major. Base Hospital, Toronto.
Later—President Standing Medical Board, M.D. No. 2.

James Starr Simpson, M.D., C.M. (McGill), M.R.C.S., Eng., L.R.C.P., Lond.
Assistant in Anatomy and Clinical Surgery,
Overseas. Capt. R.A.M.C.

David King Smith, M.B.,
Demonstrator in Clinical Medicine,
Overseas. Major. No. 4 Canadian General Hospital, Salonica.
Transferred. Lt.-Col. Specialist, Diseases of Skin, Staff of Moore Barracks Hospital, Shorncliffe, England.
Later—O.C. Davisville Military Hospital, Toronto.

Clarence Leslie Starr, M.B.,
Associate Professor of Clinical Surgery,
Overseas. Lt.-Col. Chief Surgeon Granville Canadian Special Hospital, Ramsgate.
Transferred—Consultant, D.G.M.S. Branch.

Frederic Newton Gisborne Starr, M.B.,
Associate Professor of Clinical Surgery,
Overseas. Major. R.A.M.C.

George Stewart Strathy, M.D., C.M.,
Demonstrator in Clinical Medicine,
Overseas. Lt.-Col. No. 2 Casualty Clearing Station, France.
In charge of medicine, No. 14 Canadian General Hospital, Eastbourne, England.
M.O. 44th Bn.

WILLIAM BROWN THISTLE, M.D.,
Associate Professor of Clinical Medicine,
Home Service. Major, Base Hospital, Toronto.

GEORGE EWART WILSON, M.B., F.R.C.S.,
Demonstrator in Anatomy and in Clinical Surgery,
Overseas. Major. No. 4 Canadian General Hospital, Salonica.
Surgeon. Military Wards, Toronto General Hospital.

BENJAMIN PHILP WATSON, M.D., Ch.B., F.R.C.S.,
Professor of Obstetrics and Gynaecology,
Overseas. Capt. with No. 4 Canadian General Hospital, Salonica. (Resigned).

DAVID JAMES GIBB WISHART, B.A., M.D., C.M. (McGill),
Professor of Oto-laryngology,
Home Service. Consultant in Oto-laryngology, M.D. No. 2.

OSWALD CHARLES JOSEPH WITHROW, M.B.,
Assistant in Biology,
Overseas. Capt. Granville Canadian Special Hospital, Ramsgate.
Transferred—No 1 Canadian Casualty Clearing Station, France. (Resigned).

HAROLD WILLIAM WOOKEY, M.B.,
On enlistment, Assistant in Physiology.
Overseas. Major with No. 4 Canadian General Hospital, Salonica.
Hospital removed to Basingstoke.

WALTER WALKER WRIGHT, M.B.,
Assistant in Ophthalmology,
Overseas. Capt. with Westcliffe Hospital, Folkestone.
Transferred—No. 11 Canadian Field Ambulance, France.
(Resigned.)

FACULTY OF MEDICINE, UNIVERSITY OF TORONTO.
LIST OF MEN ON ACTIVE SERVICE.

Undergraduates, also Graduates who were in College when war was declared and who went Overseas when Course was completed.

§Adams, J. H. F.
Allison, J. O.
§Anderson, J. O.
*Andrew, O. F.
§§Archibald, C. H.
§Armstrong, A. G.
§Armstrong, H. G.
*Armstrong, G. W.
§Atwell, W. C.
Auden, K. F.

§Barnes, W. B.
§§Barry, J. E.
§Bartlett, R. D.
§Bastow, D. C.
§Battley, J. C. S.
Beaton, C.
§Bell, G. L.
§Berry, E. G.
§§Bethune, H. N.
§Bicknell, N. J.
Binning, G. G. T.
*Birrell, R. G.
§§Blayney, Y.
§Blott, R. D.
§Bromley, A. J.
*Brown, E. W.
§§Broughton, E. A.
Buckley, H. R.

§Cameron, G. C.
§Campbell, D. M.
§Carlisle, A. M.
§§Carlisle, V.
§Carrie, D. S.
§Carruthers, W. L.
§Carson, J. E.
§Carson, R. A.
*Carter, J. J.
*Case, G. E.
§Charteris, W. F.
Chester, J. F. V.
Clark, H. G.
§Clendenan, D. G.
*Clysdale, E. S.
§Coliton, J. H.
§§Connell, W. C.
§Cosgrave, K. W.
Coulter, D. J.
Coutts, W. G.
§Crawford, J. S.
Crawford, S. H.
§Crehan, W. H.
§Cromarty, R. P.
Crow, G. W.
§Crowley, L. J.
§Cruikshank, H. C.
§Cryderman, W. J.

§Dafoe, W. A
§Dalton, R. E.
*Danard, B. P.
§Danby, S. L. E.
*Danis, J. T.
*Dawson, L. E.
§Devitt, F. B.
§Dickson, C. S.
§Dickson, W. B.
§Docherty, J. F.
§Dow, W. W.
§Doyle, R. H.
§Drummond, H. A
Dunn, A. S.
§Duncan, W. S.

§Eadie, G. S.
§Edmonds, W. B.
Edwards, J. C. R.
Elliott, R. J.
§Evelyn, S. J.
Ewart, E. W.

*Farquharson, R. F.
§Feick, T. B.
*Fell, F. D.
§Ferguson, J. S.
§Fielding, E. M. V.
§Fitzpatrick, C. P.
§Forge, F. W.
*Foster, F. H.
§Fraser, G. M.
§§Furey, N. W.

*Gallaugher, L. C.
§Gauld, W. H.
Gear, J. D.

§§George, R.
Gilmer, E. R.
§Gill, D. G.
*Gillrie, R. B.
§Gordon, A. C.
§Gordon, R. I.
§§Graham, S. G.
§Graham, J. A.
§Graham, W. L.
§Gray, W. H.
§Griffin, F. R.

§§Hagerman, A. R.
Hain, G. R.
§Hall, R. C.
§Hamlin, L. E.
§Hare, R. B.
§Harcourt, J. A. A.
§§Hargrave, H. R.
Harris, C. S.
§Harris, C. W.
Hart, H.
§§Harvie, R. M.
§Haskett, F. H.
§Heard, K. M.
*Henry, W. E.
*Hewgill, J. C.
§Hill, C. E.
§§Hill, L. R.
§§Hodgins, W. E.
§Hogarth, W. P.
§Hopkins, H. E.
§§Howell, J. H.
§Huether, A. L.
Husband, A. C.

§§Irvine, H. J.
§Ives, R. E.

§§Jackson, A. B.
§Jewell, R. M.
§§Johnson, F. M.
§Johnson, J. H.
§§Johnston, W. J.
§Johnston, W. E.
Jones, E. M.
§Jones, G. R.
§Jordan, G. A.
§Joyce, R. E.
§Junkin, F. L.

Kean, G. J.
Kemp, M. W.
§Kilgour, A. J.
§Kinsman, J. D.
§Kirkup, N. N.

*Lamont, J. L.
§Lane, W. R.
Lang, H. B.
§Latchford, J. K.
§Laventure, G. A.
*Lee, P. A.
§§Leech, F. W.
§§Lindsay, A. R.
Linton, J. A.
§Little, W. C.
§Little, H. S.
§Lloyd, F. P.
§Locke, W. B.
§Logie, W. D.
§Logan, H. D.
§Logan, F. A.
§Lyons, G. W.

§Mackersie, W. G.
§Marshall, H. S.
*Martin, A. D.
§Malcolmson, A. S.
Matheson, G. M.
§Mickleborough, K. G.
§Millar, M. E.
Miller, H. R.
§Miller, W. H.
§Minns, J. E.
§Mitchell, F. R.
Mitchell, N. H.
*Montgomery, S. R. P.
§Moon, H. R.
Morris, R. H.
§Mulligan, C. V.
§Murray, D. W. G.
§Murray, J. K. P.
§Murray, L. A.

McAllan, N. R.
§McCart, H. W. D.
§McCarter, A. B.
§McClelland, J. C.
§McClinton, W. S.
*McClintock, J. J.
§McClure, W. B.
§McCormack, W. G.
*McCorvie, C. R.
McEachern, J. M.
§§MacDonald, A. E.
*McDonald, J. J. A.
§McFaul, A. M.
§McGillivray, J. E.
§McIntosh, P. D.
§§Mackenzie, A. E.
§§MacKenzie, J. W.
§McKenzie, W. L.
McKeough, W. S.

§McKinnon, N. E.
McLellan, T. G.
McLeod, J. H.
§Macnamara, H. O.
§McNeil, R. R.
§§McNair, A. Y.
§McPherson, R. J.
§MacQueen, M. D.
§McVean, H. C.

§§Nash, H. C.
*Nelson, E. J.
§Nettleton, E.
§Nickle, F. J.
§Nodwell, G. R.
§§Norwich, A. C.

*O'Donnell, B. A. P.
Ogilvie, J. M.
§O'Leary, F. J.
§Orechkin, S. H.
Owen, H. H.

§Palmer, H. I.
§Palmer, W. S.
*Pauley, G. E.
§Pedley, W. H.
Porter, W.
*Phillips, H. S.
§Powell, W. G.
§Pratt, R. S.
§Price, C. K.
§Puffer, D. S.

§Quinn, H. J.

§§Rae, C. A.
§Ramsey, G. H.
Ratz, R. G.
§Rawlings, H. A.
§§Reddick, J. W.
§Reid, J. S.
§Richardson, R. N. C.
*Richardson, W. F.
§Riddell, W. R.
Rivers, R. E.
§Roger, I. B.
Russell, D. C.
§Russell, N. H.
§§Rutherford, W. B.

§§Sarjeant, P. A.
§§Scott, C. V.
§Scott, W. J.
§§Scullard, G.
§§Shannon, P. R.
§§Sharpe, J. H.
§Shier, L. V.
*Shirley, R. K.
§Shunk, E. S. M.
§Sievenpiper, S.
§Sinclair, K. Y.
Singleton, A. C.
Skipper, S. C.
§§Smith, F. R.
§Smith, J. R.
§Smylie, C. H.
*Smylie, R. T.
Somers, J. B.
§Speck, J. T.
Spence, C. A.
*Spratt, W. L.
§§Stanley, J. A.
§Stevenson, G. H.
§Stevenson, H. G.
Stoddart, W. O.
§§Strachan, J. G.
*Streets, C. W.
§Styner, W. B.
§Sullivan, B. C.
§Sutherland, J. L.
Swan, W. D.
*Switzer, J. W.
Symington, J. B.
§§Sykes, G. F.

§Taylor, R. E.
Thomas, C. H.
§Thompson, A. A.
Thompson, I. B.
§Thomson, W. A.
Travers, J. T.
§Truscott, R. S.
§Turnbull, A.

§Urquhart, G. T.

§Verity, L. E.

§Warner, W. P.
Watson, G. F.
*Watson, G. H.
Webster, D. B.
§§Wells, C. A.
Wickham, F. E.
§Wigle, D. S.
§Wilkinson, F. W.
§Wilson, D. G.
Wilson, F. H.
§§Wilson, M. J.
§Wilson, W.
§Wilson, D. B.
§Wilson, D. G.
§Woods, W. E.

Woodward, R. C.
§Wrong, H. A.
Wright, F. W.
*Zarnke, E. E.
Zumstein, G. T.
§Zwick, F. F.

§Ordered home by the Imperial War Office to complete their course.
§§Completed Course in Medicine and returned to Service.
*Enlisted for overseas service, but did not go overseas.

CLASS 1915.

Allison, G.
Armour, R. S.

Baillie, W. H. T.
Ball, S. S.
Barnett, J. D. H. S.
Black, H.

Carpenter, T. A.
Carr, L. A.
Cates, H. A.
Chassels, J.
Clement, F. W.
Coatsworth, R. C.
Cosbie, W. G.
Courtenay, H. D.
Crews, T. H.
Crompton, C. R. B.
Cunningham, J. G.

Dale, G. M.

Evans, W. L.

Fallis, L. C.
Ferrier, G. J.
Fraser, D. T.

Gillrie, F. R.
Gorman, M. E.
Graham, P. V.

Hamilton, H. P.
Hanley, J. B.
Harris, R. I.
Helliwell, M. R.
Hodge, W. R.
Howitt, J. R.

Jeffrey, E. S.

Kirkham, F. R.

Lamont, G. A.
Letts, F. L.
Ley, A. G.

Marlow, F. C.
Martin, H. C.
Moffat, A. B.
Moon, A. A.

McGanity, A. J.
McLarty, G. A.
McVicker, E. H.

O'Sullivan, P. M.
O'Gorman, V. K.

Paul, R.

Riddell, A. R.
Ross, J. W.
Routley, T. C.

Simpson, T. J.
Smith, H. R.
Stark, W. B.
Stirrett, E. Z.
Stock, V. F.
Storey, V. H.
Storms, T. H. D.
Sutherland, F. H.

Van Wyck, H. B.

Walker, S. A.
Walsh, S. Y.
Wilson, C. E.
Wishart, D. E. S.

CLASS 1916.

Armstrong, G. W.

Ballantyne, T. W.
Barry, J. E.
Blakely, A. M.

Brown, P. B.

Cameron, G. M.
Clarke, E. K.
Connell, W. C.

CLASS 1916—*Continued.*

Corcoran, D.
Curry, P. W. M.

Dales, L. W.
Dickson, J. A.
Dixon, H. A.

Fenwick, C. P.
Foote, W. S.

Gillies, A. E.
Givens, W. C.
Graham, S. G.

Hessian, H. A.
Hetherington, H. B.
Hill, L. R.
Hodgins, W. E.

Jackson, A. B.
Janes, R. M.
Jones, W. E.

Knox, A. W.

Lindsay, A. R.
Little, N. H.

Martin, W. E.

MacCallum, A. J.
McCullough, J. C.
MacDonald, A. E.
MacDonald, A. R.
McDonald, J. L.
McLean, W. J.
McNair, A. Y.
McPherson, E. E.

Naylor, A. H.
Norwich, A. C.

Robson, R. B.
Rehill, J. R.
Rutherford, W. B.

Sarjeant, P. A.
Scullard, G.
Sharpe, J. H.
Stanley, J. A.
Stobie, G. H.

Tisdall, F. F.

Willoughby, C. J. M.
Wilson, F. B. G.
Wilson, M. J.

Young, H. G.

SPECIAL WAR SESSION, DECEMBER, 1916.

Adams, J. F.

Banting, F. G.
Barraclough, W. W.
Bethune, H. N.
Bleakley, T. W.
Boone, F. H.
Boyce, A. J.
Broughton, E. A.
Brown, W. E.

Cornell, B. S.

Davis, D. I.
Dobbin, G. M.
Douglas, J. S.

Elkerton, F. J.
Elliot, H. A.

Farquharson, C.
Findlay, D. G.
Finlayson, D. R.
Frain, C. E.

George, R.
Gilchrist, J. A.
Gimby, J. E.
Graham, M. G.
Grisdale, A.

Hagerman, A. R.
Hardstaff, R. J.
Henderson, W. I.
Hipwell, F. W. W.
Hutchinson, E. D.

Jamieson, W. G.
Jeffrey, A. M.
Jeffs, G. D.
Johnson, F. M.
Johnston, W. J.

Mathers, J. A.
Mills, C. V.
Mitchell, H. A.
Mitchell, I. N.
Montgomery, A.
Moody, A. J.

McAllister, H. C.
McClelland, J. C.
Macdonald, J. H.
McDonald, J. M.
Macdougall, C. S.
MacKay, A.
MacKinlay, R.

Peacock, T. W. P.
Parney, F. S.

Scott, G. R.
Sparks, W. E. L.

Tew, W. P.
Thomas, N. O.
Thompson, C. E.

Veitch, H. D.

White, T. E.

CLASS 1917.

Blayney, Y.

Crawford, J. S.

Furey, N. W.

Hargrave, H. R.
Howell, J. H.

Irvine, H. J.

Leech, F. W.

Miller, C. O.
Mitchell, W. T. B.

Mackenzie, A. E.

MacKenzie, J. W.
MacTavish, C. R.

Nash, H. C.

Rae, C. A.
Rawlings, H. A.
Reddick, J. W.

Scott, C. V.
Shannon, P. R.
Smith, F. R.
Sykes, G. F.

Tate, E. C.

Wells, C. A.

ROLL OF HONOUR.

Killed in Action or Died of Wounds.

JOHN OLIVER ALLISON, Medicine 1919.
Lieutenant, Signalling Officer, 162nd Battalion.
Killed in action, May 21st, 1918.

ROBERT STANLEY ARMOUR, M.B. 1915.
Major, R.A.M.C.
Died of pneumonia, East Africa, December 1st, 1918.

DAVID BENJAMIN BENTLEY, M.D., C.M. 1891.
Major, C.A.M.C., Field Ambulance.
Died, April 1917.

RICHARD HENRY BONNYCASTLE, M.B. 1905.
Major, C.A.M.C.
Died, October 7th, 1917.

GEORGE HERBERT BOWLBY, M.D., C.M. 1888.
Captain, C.A.M.C.
Accidentally killed, November 10th, 1916.

ADAM PEDEN CHALMERS, M.D., C.M. 1892.
Captain, C.A.M.C.
Died at St. Lucia, B.W.I., May 16th, 1917.

ALLEN CHARLES MACKENZIE CLEGHORN, M.D., C.M. 1892.
Captain, R.A.M.C.
Died, March 22nd, 1916.

DOUGLAS JOHNSTONE COULTER, Medicine 1921.
2nd Lieutenant, R.A.F.
Died, December 13th, 1918.

WALTER GORDON COUTTS, Medicine 1921.
Flight-Lieutenant, Royal Flying Corps.
Killed in an aeroplane accident in England, December 2nd, 1917.

GORDON WILLSON CROW, Medicine 1919.
Lieutenant in the 31st Battery, C.F.A.
Killed in action at the Somme, September 21st, 1916.

HUBERT ANTHONY CULHAM, M.B. 1910.
Captain, C.A.M.C.
Killed in action, October 4th, 1918.

JOHN ARTHUR CULLUM, M.D., C.M. 1905.
Captain, C.A.M.C.
Died of wounds, November 10th, 1916.

GUSTAVUS MITCHELL DAVIS, M.B. 1901.
Major, C.A.M.C.
Drowned, July 5th, 1918.

GEORGE GORDON DUNCAN, Medicine 1916.
Temporary Captain in the 4th Brigade, 10th Battalion.
Killed in action, May 4th, 1916.

WILLIAM LAURANCE EVANS, M.B. 1915.
Lieutenant in the R.A.M.C., King's Own Liverpool Regiment.
Killed in action, August 11th, 1916.

GEORGE MATTHEW FRETWELL, Medicine 1914.
Private, Canadian Machine Gun Corps.
Killed in action, October 25th, 1918.

JOHN D. GEAR, Medicine 1920.
Surgeon Probationer, R.N.V.R.
Died, November 15th, 1918.

ERNEST RICHARD GILMER, Medicine 1918.
Second Lieutenant in the 1st Royal Irish Fusiliers.
Killed in action, November 28th, 1916.

PAUL ARCHIBALD GILLESPIE, M.B. 1891.
Major, R.A.M.C.
Died at Windburg, South Africa, March 24th, 1916.

GEORGE CLARENCE GLIDDON, graduate of 1914.
Captain in the 10th Battalion.
Died of wounds, May 14th, 1915.

ANDREW ROBERTSON GORDON, M.B. 1890.
Lieutenant-Colonel in the C.A.M.C.
Died, December 16th, 1916.

THOMAS FLECK GRAHAM, M.B. 1914.
Captain, C.A.M.C.
Killed when hospital was bombed, September 20th, 1918.

ARNOLD GRISDALE,
Captain, C.A.M.C.,
Died of Influenza at Niagara Camp, October 11th, 1918.

JAMES HENDERSON, M.D., C.M. 1902.
Captain, R.A.M.C.
Died, July 16th, 1917.

WILLIAM HENDERSON, M.D., C.M. 1898.
Captain, R.A.M.C.
Died, November 1916.

ROBERT HOME, M.B. 1913.
Captain in the 17th Field Ambulance, R.A.M.C.
Killed in action, April 27th, 1917. (Loos.)

RICHARD HORKINS, M.B. 1914.
Captain with the R.A.M.C.
Killed in action at Combles, September 27th, 1916.

FRANCIS CARL HOWARD, Medicine 1918.
Lieutenant in the 75th Canadian Infantry Battalion.
Died while prisoner at Field Hospital 213, Frankfort, Germany, September 9th, 1916, of wounds received in action the same day.

David Edwin Howes, M.D., C.M. 1906.
Captain, C.A.M.C.
Killed in action.

Richard Alfred Ireland, M.B. 1911.
Captain, C.A.M.C., M.O. with the 76th Battalion.
Killed in action, November 10th, 1917.

Leonard Foster Jamieson, Medicine 1908.
Captain, R.A.M.C., Egypt.
Drowned in the Jordan, Palestine, July 1st, 1918.

Herbert Jones, M.B. 1904.
Major, C.A.M.C.
Died, March 5th, 1917.

Gordon Jackson Kean, 1922.
Gunner 67th Battery, C.F.A.
Died May 10th, 1918, at Kimnel Park, Rhyl, North Wales.

Arthur Vincent Leonard, M.B. 1911.
Captain, C.A.M.C.
Drowned, February 27th, 1919.

Neville Hall Little, M.B. 1916.
Captain, C.A.M.C.
Died of wounds, October 29th, 1918, at No. 11 Canadian General Hospital, Shorncliffe, England.

Ivan Bernard Marty, Medicine 1920.
Private in Infantry Battalion.
Died of wounds, April 14th, 1917, at Vimy.

William John Ogilvie Malloch, M.B. 1896.
Lieutenant-Colonel No. 4 Canadian General Hospital.
Died, February 18th, 1919.

Gordon McMichael Matheson, Medicine 1919.
Lieutenant 44th Battalion.
Killed, August 23rd, 1918.

Frank Robertson Mitchell, M.B. 1918.
Surgeon Probationer, R.N.V.R.
Returned to Canada and died, July 18th, 1918.

Herbert Stanley Monkman, M.D., C.M. 1906.
Captain, Canadian Mounted Rifles.
Killed in action, December 1915.

Heber Havelock Moshier, M.B. 1909.
Lieutenant-Colonel No. 11 Canadian F.A.
Killed in action August 29th, 1918.

John McCrae, B.A. 1894, M.B. 1898, M.D. 1910.
Lieutenant-Colonel, C.A.M.C.
Died January 28th, 1918 at No. 14 General Hospital, Wimereux.

John William McDowell, Medicine 1919.
Lieutenant in 1st Canadian Siege Battery.
Accidentally killed, December 13th, 1917.

WALTER WAKE MCKENZIE, M.B. 1914.
Captain, Military Hospital, Shorncliffe.
Died suddenly at Shorncliffe, February 21st, 1917.

WILLIAM STEWART MCKEOUGH, Medicine 1917.
Captain in the 18th Battalion.
Killed in action at Courcelette, September 22nd, 1916.

DUGALD BLACK MCLEAN, M.B. 1913.
Captain in the R.A.M.C.
Killed in action, September 6th, 1916.

EDGAR HAROLD MCVICKER, M.B. 1915.
Lieutenant in the R.A.M.C.
Killed in action, September 10th, 1916.

HAROLD HEBER OWEN, Medicine 1917.
Lieutenant in the 7th Battalion, 1st Canadian Division.
Killed in action, January 30th, 1916.

JOHN FERGUSON PALLING, M.D., C.M.,
Captain, C.A.M.C.
Died, February 2nd, 1918.

ARTHUR ALLAN PARKER, M.B. 1914.
Captain, C.A.M.C.
Died of wounds, October 1918.

THOMAS WILLIAM PARKER PEACOCK, M.B. 1916.
Lieutenant in the C.A.M.C.
Died as result of motor accident in Calgary, May 1917.

MURRAY HUME PATERSON, M.B. 1914.
Captain, R.A.M.C.
Accidentally killed, September 15th, 1916.

WILSON PORTER, Medicine 1920.
2nd Lieutenant, R.F.C. 56th Squadron.
Killed in action, March 24th, 1918.

MATTHEW RAE, Medicine 1915.
Private in the 4th Canadian Mounted Rifles.
Died of wounds while prisoner of war, April 1917.

JOHN HENRY RATZ, M.B. 1895.
Major, C.A.M.C.
Died in Ottawa, February 11th, 1918.

JOHN STANLEY REAUME, Medicine 1918.
Captain Mach. Gun Sec., 241st Bn.
Killed in action, October 17th, 1918.

RUPERT ELWYN RIVERS, Medicine 1919.
Lance-Corporal in the 35th Battalion.
Presumed to have died, June 9th, 1917.

ANDREW ROSS, M.B. 1904.
Lieutenant No. 2 Can. G.H., France.
Killed in action September 29th, 1918.

Percy Roy Shannon, M.B. 1917.
Lieutenant, R.A.M.C.
Died of wounds, November 3rd, 1918.

Harry Roy Smith, M.B. 1915.
Captain, R.A.M.C.
2nd i/c Re-Ed. Work, Hart House.
Died of pneumonia, Jan. 14th, 1919.

Robert Scott Smith, M.B. 1911.
Captain, Medical Services.
Died of poisoning, 31st Dec., 1917.

James Arthur Stanley, M.B. 1916.
Captain, R.A.M.C.
Killed in action, September, 1918.

Ernest Zavitz Stirrett, M.B. 1915.
Surgeon, R.C.N.S. Niobe.
Died, June 22nd, 1917.

Arthur William Tanner, M.B. 1899.
Lieutenant-Colonel, C.A.M.C.
Died of wounds at Ypres, June 4th, 1916.

Charles Everett Thompson, M.B. 1916.
Lieutenant in the C.A.M.C.
Died of pneumonia at the Base Hospital, Gerrard St., Toronto, February 3rd, 1917.

James Harvey Todd, M.B. 1905.
Adjutant and 2nd i/c C.A.M.C., a/D A.D.M.S., M.D. No. 5, Quebec.
Died of pneumonia, October 17th, 1918.

Stanley Arthur Walker, M.B. 1915.
Lieutenant in the R.A.M.C.
Killed in action, October 15th, 1916, at the Somme.

Guy Halifax Wallace, M.B. 1909.
Captain, R.A.M.C.
Died, December 1918.

Roy Cecil Woodward, Medicine 1920.
Sapper Div. Sig. Corps, C.E.
Died of wounds August 27th, 1918.

Norman James Lang Yellowlees, B.A. 1907, M.B. 1909.
Captain and Adjutant, No. 4 Canadian General Hospital.
Drowned at Salonica, May 5th, 1916.

MILITARY HONOURS.

K.C.R.V.O.

Lieutenant-Colonel Sir E. S. Worthington

C.B.

Colonel A. Primrose
Colonel J. A. Roberts

C.M.G.

Lieutenant-Colonel J. A. Amyot
Colonel D. J. Armour
Brigadier-General E. C. Ashton
Major G. W. Badgerow
Surgeon-General J. T. Fotheringham
Colonel D. W. McPherson
Colonel G. G. Nasmith
Lieutenant-Colonel G. S. Rennie
Colonel W. A. Scott
Colonel A. E. Snell

C.O.B.E.

Colonel G. D. Farmer
Colonel R. D. Rudolf

O.B.E.

Lieutenant-Colonel J. G. Brown
Major J. F. Burgess
Captain W. A. Cardwell
J. C. McLennan
Major B. R. O'Reilly
Major H. Orr
Colonel R. Raikes

D.F.C.

Captain A. T. Whealy

D.S.O.

Captain G. W. Armstrong
Lieutenant-Colonel J. E. Davey
Lieutenant-Colonel J. J. Fraser
Major R. M. Gorseline
Lieutenant-Colonel J. N. Gunn
Lieutenant-Colonel E. B. Hardy
Colonel W. B. Hendry
Lieutenant-Colonel D. P. Kappele —bar to D.S.O.
Major Charles F. Knight
Lieutenant-Colonel T. M. Leask
Major T. H. McKillip
Captain G. A. McLarty
Lieutenant-Colonel Stanley Paulin
Colonel A. E. Snell
Lieutenant-Colonel D. M. Sutherland
Lieutenant-Colonel C. G. Thomson
Lieutenant-Colonel J. H. Wood
Captain H. G. Young

D.S.C.

Surgeon-Probationer W. P. Warner
Flight Lieutenant A. T. Whealy—bar to D.S.C.

M.C.

Captain H. H. Argue
Captain A. C. Armstrong
Captain F. G. Banting
Captain J. E. Barry
Captain T. H. Bell
Major C. A. Briscoe
Captain J. V. Brown—2 bars to M.C.
Captain H. Buck
Major A. A. Campbell
Lieutenant D. M. Campbell
Captain L. A. Carr
Captain J. P. S. Cathcart
Captain J. R. L. Christian
Captain R. C. Coatsworth
Major K. E. Cooke
Captain W. G. Cosbie

MILITARY HONOURS—*Continued.*

Lieutenant G. W. Crow
Captain J. A. Cullum—bar to M.C.
Captain H. C. Davis
Captain O. J. Day—bar to M.C.
Captain A. A. Drinnan
Lieutenant W. S. Duncan
Captain C. P. Fenwick
Captain D. T. Fraser
Lieutenant C. T. Galbraith
Captain W. C. Givens
Captain A. J. Gilchrist
Captain M. E. Gorman
Major G. G. Greer
Captain A. R. Hagerman
Captain H. P. Hamilton
Captain R. I. Harris—bar to M.C.
Captain H. Hart
Captain F. R. Hassard
Major A. K. Haywood
Captain J. N. Humphrey—bar to M.C.
Captain J. R. Irwin
Lieutenant-Colonel E. S. Jeffrey
Major H. B. Jeffs
Captain A. C. Johnston
Colonel G. C. Kidd
Lieutenant H. B. Lang
Captain J. G. Lee
Captain C. T. Lewis
Captain J. A. Linton
Lieutenant A. E. MacDonald
Captain W. S. McClinton
Captain J. C. McCullough
Major A. M. McFaul
Captain P. McGibbon
Captain J. F. McLay
Captain R. D. Mackenzie
Captain R. J. Manion
Captain J. F. S. Marshall
Captain T. W. Moore
Captain V. H. K. Moorhouse
Captain R. H. Morris
Captain J. K. Mossman
Captain A. G. Nasmith
Captain W. F. Nicholson
Captain Eric Osbourne
Major L. C. Palmer—bar to M.C.
Captain A. A. Parker
Captain M. H. Paterson
Captain J. S. Reid
Captain W. E. Sinclair
Captain V. F. Stock
Captain C. G. Sutherland
Captain A. E. Sutton
Major A. H. Taylor
Captain R. H. Thomas
Captain F. M. Walker
Captain D. A. Warren
Captain W. L. Whittemore
Lieutenant-Colonel C. V. Williams
Captain C. S. Wynne
Captain C. R. Young—3 bars to M.C.

M.M.

Sergeant A. J. Bromley
Lieutenant W. C. Little
Lance-Corporal J. E. McGillivray
Staff Sergeant J. F. O'Leary
Bombardier J. B. Symington

Legion of Honour.

Lieutenant-Colonel H. R. Casgrain

Croix de Guerre.

Captain W. H. K. Anderson
Captain A. C. Armstrong
Captain J. A. Cullum
Lieutenant Mary L. Edward
Captain J. F. McLay
Colonel A. E. Snell
Lieutenant-Colonel J. H. Wood

Croix de la Chevalier.

Major A. Y. Massey

MILITARY HONOURS—*Continued.*

Serbian Order of St. Savva.
Major W. H. Aspland
Colonel H. G. Barrie
Captain J. K. Mossman
Captain H. J. Shields

Serbian Red Cross Medal.
Colonel H. G. Barrie

Russian Order of St. Vladimir.
Major W. H. Aspland

Russian St. George's Medal.
Major W. H. Aspland

1914 Star.
Corporal J. C. S. Battley
Lieut-Colonel H. C. Elliot
Lieutenant-Colonel R. S. Pentecost

Mentioned in Despatches.
Lieutenant-Colonel J. A. Amyot
Major R. S. Armour
Captain G. W. Armstrong
Brigadier-General E. C. Ashton
Captain J. E. Barry
Captain T. H. Bell
Lieutenant-Colonel P. G. Brown
Captain H. Buck
Colonel H. A. Bruce
Major F. S. Burke
Major H. H. Burnham
Colonel I. H. Cameron
Lieutenant-Colonel O. A. Cannon
Colonel H. R. Casgrain
Lieutenant-Colonel G. Chambers
Lieutenant-Colonel D. A. Clark
Captain W. A. Clarke
Major D. J. Cochrane
Captain G. M. Dale
Lieutenant-Colonel J. E. Davey
Major A. W. M. Ellis
Surgeon-General J. T. Fotheringham
Lieutenant-Colonel J. J. Fraser
Captain A. J. Gilchrist
Colonel P. G. Goldsmith
Lieutenant-Colonel D. A. L. Graham
Captain T. F. Graham
Major G. G. Greer
Captain C. G. Gunn
Lieutenant-Colonel E. B. Hardy
Captain F. R. Hassard
Colonel W. B. Hendry
Major W. L. Hutton
Colonel L. E. W. Irving
Major H. B. Jeffs
Lieutenant A. J. Kilgour
Captain R. R. McClenahan
Major S. H. McCoy
Major A. M. McFaul
Major T. H. McKillip
Lieutenant-Colonel W. T. M. McKinnon
Major G. H. McLaren
Captain G. A. McLarty
Colonel D. W. McPherson
Lieutenant-Colonel C. S. McVicar
Lieutenant A. S. Malcolmson
Captain A. F. Mavety
Lieutenant-Colonel H. H. Moshier
Colonel G. G. Nasmith
Major E. A. Neff
Major H. Orr
Lieutenant H. H. Owen
Lieutenant-Colonel K. D. Panton
Captain L. A. C. Panton
Lieutenant-Colonel H. C. Parsons
Lieutenant-Colonel G. R. Philp
Captain D. J. Prendergast
Colonel A. Primrose
Captain G. W. Racey
Captain J. A. Reid
Captain J. S. Reid
Lieutenant-Colonel G. S. Rennie
Captain W. A. Richardson
Colonel J. A. Roberts

MILITARY HONOURS—*Continued.*

Major D. E. Robertson
Lieutenant A. E. Ross
Lieutenant-Colonel E. R. Selby
Colonel A. E. Snell
Lieutenant-Colonel G. S. Strathy
Captain S. J. Streight
Lieutenant-Colonel D. M. Sutherland
Major C. W. Waldron
Captain W. C. Walsh
Captain R. E. A. Weston
Captain D. E. S. Wishart
Lieutenant-Colonel Sir E. S. Worthington
Lieutenant-Colonel T. W. H. Young
Captain H. G. Young

MEDALLISTS.

Medicine.

g. *gold medal;* s. *silver medal.*

Year.
58 Oille, L. S.–g.
Aikins, M. H.–s.
Millar, T.–s.
59 Barnhart, C. E.–g.
King, J.–s.
Francis, W. F.–s.
60 Bascom, J.–g.
Playter, E.–s.
Tisdell, F. B.–s.
Morton, E. D.–s.
Ogden, W. W.–s.
Martyn, D. H.–s.
61 Hudson, A.–g.
Elliott, J. D.–s.
62 Dolster, J.–g.
De Grassi, G. P.–g.
63 Ramsay, W. F.–g.
64 McLaughlin, J. W.–g.
65 Burnham, E. L.–g.
McCarthy, J. L. G.–s.
Kitchen, E. E.–s.
66 Mickle, W. J.–g.
McCullough, J.–s.
Wadsworth, J. J.–s.
67 Sparks, T.–s.
Palmer, R. N.–s.
Harbottle, R.–s.
Eccles, F. R.–s.
McFarlane, N.–s.
Newton, J. H.–s.
68 Brown, J. P.–g.
Hunt, R. H.–s.
Howe, T. C.–s.
69 Graham, J. E.–g.
Humble, C.–s.
McCollum, J. H.–s.
Bentley, T. B.–s.
70 Greenless, A.–g.
Burgess, T. J. W.–s.
Smith, C. M.–s.
Standish, J.–s.
Wagner, W. J.–s.
Burt, W.–s.
Williams, A. D.–s.
71 Forrest, W.–g.
Moore, C. Y.–s.
Henning, N. P.–s.
Delamater, R. H.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.

Year.
73 Close, J. A.–g.
Beeman, M. I.–s.
Wright, A. H.–s.
Hagel, S. D.–s.
74 Fraser, D. B.–g.
Brown, O. C.–s.
Farewell, A.–s.
Cameron, I. H.–s.
Shaw, G.–s.
Fraser, D.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
Eakins, J. E.–s.
76 McPhedran, A.–g.
Lackner, H. G.–s.
Bowerman, A. C.–s.
Wilson, W. J.–s.
77 Stuart, W. T.–g.
Orr, R. B.–s.
Richards, N. D.–s.
78 Griffin, H. S.–g.
Meek, H.–s.
Bonnar, J. D.–s.
Kennedy, G. A.–s.
Gardiner, J. H.–s.
79 Burt, F.–g.
Mills, R. P.–s.
Chappell, W. F.–s.
80 Cross, W. J.–g.
Bryce, P. H.–s.
Ferguson, J.–s.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
Duncan, J. T.–g.
83 Robinson, W. J.–g.
Dolsen, F. J.–g.
84 Clerke, J. W.–g.
85 Howell, J. H.–g.
Carr, L.–s.
Saunders, R. M.–s.
Hoople, H. N.–s.
86 Peters, G. A.–g.
Noecker, C. T.–s.
Johnston, D. R.–s.
87 Ego, A.–g.
88 Féré, G. A.–g.
Galloway, J.–s.
89 Chambers, G.–g.
Collins, J. H.–s.

Year.
89 Godfrey, F. E.–s.
90 Barker, L. F.–g.
Cullen, T. S.–s.
Philip, W. H.–s.
McFarlane, M. T.–s.
McGillivray, C. F.–s.
91 Barnhardt, W. N.–g.
Bollen, P.–s.
Boyd, G.–s.
McGorman, G.–s.
92 Bruce, H. A.–g.
Middlebro, T. H.–s.
Gowland, R. H.–s.
Brown, J. N. E.–s.
93 Harvie, J. N.–g.
South, T. E.–s.
Elliott, W.–s.
Futcher, T. B.
Harvey, E. E. Æq–s.
94 McCollum, W. J.–g.
Rutledge, H. N.–s.
Crain, W. E.–s.
Johnston, H. A.–s.
95 Merritt, A. K.–g.
McKay, T. W. G.–s.
McCrae, T.–s.
Hunter, A. J.–s.
96 McCaig, A. S.–g.
Roberts, E. L.–g.
Graef, C.–s.
Goldie, W.–s.
Macklin, A. H.–s.
97 Elliott, J. H.–g.
Hume, J. J. C.–s.
Nichol, R.–s.
Yeomans, W. L.–s.
98 McCrae, J.–s.
Sutherland, G. A.–s.
White, W. C.–s.
Cahoon, F.–s.
99 Wells, W.–g.
Hargrave, H. G.–s.
Piersol, W. H.–s.
Gow, J.–s.
00 Scott, P. L.
Bell, C. C. Æq–g.
Howland, G. W.
Revell, E. D. Æq–s.
Carder, E. D.–s.
01 Clarkson, F. A.–g.

Year.
01 McIlwraith, D. G.–s.
Cleland, F. A.–s.
Carswell, W. A.
Cohoe, B. A. Æq–s.
02 Roaf, H. E.
Saunders, W. P. Æq–g.
Fletcher, G. W.–s.
Moir, A.–s.
Archer, A. E.–s.
03 Oille, J. A.–g.
Phillips, J.–s.
Yin, S. C.–s.
Wilson, G. E.–s.
04 McCulloch, R. J. P.–g.
Kinghorn, A.–s.
Anderson, R. W.–s.
Walker, S. B.–s.
05 Lemon, W. S.–g.
Ford, G.–s.
Merritt, W.–s.
Gowland, M. E.–s.

Year.
06 McNeill, H. M.–g.
Holbrook, J. H.–s.
Dickson, E. C.–s.
Moorhead, A. S.–s.
07 Gray, G. C.–g.
McVicar, C. S.–s.
Schinbein, A. B.–s.
Cannon, O.–s.
08 Richards, G. E.–g.
Robertson, W. A.–s.
Buswell, R.–s.
Harkness, J. G.–s.
09 Parker, C. B.–g.
Tytler, W. H.–s.
Marcy, W. J. M.–s.
Brown, A. G.–s.
10 Watt, J. C.–g.
Follett, J. V.–s.
Butterfield, R. M.–s.
Barker, P. W.–s.
11 Livingstone, J. M.–g.
Eagles, A. S.–s.

Year.
11 Bouck, C.
Christie, N. A. Æq–s.
Campbell, J. G. A.–s.
12 McClenahan, R. R.
McPhedran, F. M., Æq–g.
Breslin, L. J.–s.
Wellman, A. L.–s.
13 Scott, W. A.
Fletcher, A. A. Æq–g.
Simon, K. M. B.–s.
Wookey, H. W.–s.
Brown, C. P.–g.
Irwin, O. M.–s.
Brodey, A.–s.
Darby, G. E.–s.
14 Detweiler, H. K.–g.
Hewitt, S. R. D.–s.
McKenzie, K. G.–s.
Brown, H. E.–s.

Star Medallists.

Year.
67 Palmer, R. N.
68 Hunt, R. H.
Brown, J. P.
Cassidy, J. J.
69 Graham, J. E.
70 Burgess, T. J. W.–g.
Greenless, A.–s.
Wagner, W. J.–s.
71 Moore, C. Y.–g.
Henning, N. P.–s.
Forrest, W.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.
73 Meldrum, N. W.–g.
Close, J. A.–s.
Hagel, S. D.–s.

Year.
74 Brown, O. C.–g.
Farewell, A.–s.
Campbell, A. J.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
76 Lackner, H. G.–g.
McPhedran, A.–s.
Bowerman, A. C.–s.
77 Stuart, W. T.–g.
78 Bonnar, J. D.–g.
Meek, H.–s.
Griffin, H. S.–s.
79 Burt, F.–g.
80 Cross, W. J.–g.
Bryce, P. H.–g.

Year.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
83 Robinson, W. J.–g.
86 Peters, G. A.–g.
89 Collins, J. H.–g.
Chambers, G.–s.
90 Barker, L. F.–g.
91 Barnhardt, W. N.–g.
92 Middlebro, T. H.–g.
Bruce, H. A.–s.
96 McKay, T. W. G.
Rannie, J. A.
99 Hill, H. W.
03 McCrae, T.
08 Harvey, W. H.–g.
17 Dickson, E. C.–g.

DEGREES IN MEDICINE, CONFERRED BY THE UNIVERSITY OF TORONTO AT THE ANNUAL CONVOCATION APRIL 1918.

Agnew, George Harvey
Aitchison, William Stanley
Archibald, Cedric Hughes, B.A.

Batten, Walter Howard
Benwell, Charles Edward
Boles, William Patterson
Bond, Charles Ernest
Boyd, Miss Gladys Lillian
Bray, Miss Mabel
Brown, Charles Clinton
Bulmer, Miss MaBelle Audrey Cecelia

Cain, Robert Francis
Carlisle, Vernon
Cohen, Benjamin, B.A.
Copp, Joseph Clarence
Couch, Albert Edward Hessey
Coulson, Earl Glen
Cox, M. Armacost
Cromarty, Robert Parker, M.A.

Edmonds, Lewis Cawsey
Eede, John Russell Lowell
Erb, Isaac H.

Farmer, George Richard Devey
Feader, Harry
Findlay, Charles Alexander

Geddes, William Alexander Sloane

Harris, William, B.A.
Henry, Willard Jarvis
Holmes, Aurdy Benjamin, B.A.
Holmes, William Hugh

Kennedy, Robert Bryson

Lazenby, Frederick Sylvester
Leach, James Wesley
Leonard, Samuel C., B.A.
Lloyd, Irwin McMurchie
Locke, Ward Beecher
Low, Donald MacKintosh

Malyon, Roy Holdershaw
Meader, Miss Florence Mary
Mitchell, Frank Robertson

McClelland, John Harold Campbell
MacDonald, James Duncan
McKay, Donald Walter
McNally, Harry James

Nesbitt, James Henry
Nettleton, Edwin

Owen, Trevor

Parks, Wilfrid Rowan
Perlman, David
Pratt, Clarence Victor

Quint, Walter Southard, B.A.

Rankin, Roy William
Riseborough, Ernest Cecil
Robertson, James Murray

Scott, William John
Siegel, Morris
Simpson, Roy Wilfred
Sinclair, James Ward
Smith, Joseph Reginald, B.A.
Snider, Miss Lily Huldah, B.A.
Soules, Melville Hall
Spence, Roy Johnston
Stephenson, Benjamin George
Stevenson, George Herbert
Strachan, James Grant
Street, Harold Wilbert
Stuart, Lionel Marshall
Sullivan, Herbert

Tomlinson, Nelson Freeman

Van Etter, Omar

Wagner, LeRoy
Walker, Frank Norman
Werden, William Austin
West, Stephen Everard Thomas

STUDENTS AT THE UNIVERSITY WHO RECEIVED THE DEGREE IN MEDICINE IN JULY, 1918.

Alton, John Arthur

Baker, Robert Henry
Barnes, Walter Bruce
Bentley, George Andrew

Cunningham, Wallace Herbert

Fleming, Robert James Mortimer

Gamey, Lyman Roswell
Garbutt, Charles Thomas Percival

Hughes, John Vernon

Jones, Howard Owen

Lane, Walter Ross
Lunz, Gerald Joseph

McCallum, Duncan
McCosh, John Thornton
McNevin, Frank Patrick
Macpherson, Arnold William

Rymal, Lloyd Cecil

Tucker, Richard Massie

Valens, Ashley William

STUDENT AT THE UNIVERSITY WHO RECEIVED THE DEGREE IN MEDICINE IN DECEMBER, 1918.

Banting, Oswald F.

FACULTY OF MEDICINE.

REGISTER OF STUDENTS, 1918-19.

First Year.

Adams, Miss Dora.....Toronto
Allan, C. C.....Toronto
Anderson, E. S.....Toronto
Arbuckle, D. S.....Toronto
Atkinson, W. C...Vancouver, B.C.
Austin, J. W.....Renfrew

Baker, Miss F. M.....Toronto
Baker, Miss Grace.....Chatham
Ballantyne, P. M.....Toronto
Bankwitz, Miss A. A.....Toronto
Barr, Miss C. A.....Merlin
Bartlett, R. D.....Brampton
Batson, H. H.....Brantford
Beattie, O. M.....Batteau
Bell, G. C.....Dundalk
Bell, J. K.....Toronto
Bennett, A. E.....Grand Valley
Bews, J. Y.....Hamilton
Bishop, C. A.....Toronto
Bochner, M.....Toronto
Borland, T. H.....Innerkip
Boulding, C. R.....Putnam
Brady, F. A.....Toronto
Breslin, R. H.....Owen Sound
Brewster, W. R.....Brantford
Briant, T. E.....Toronto
Brodie, Miss M. H.....Stouffville
Bronstein, Miss Rose.....Toronto
Brown, N. R.....Toronto
Burridge, Miss M. F., Victoria, B.C.
Byrne, U. P.,
New Westminster, B.C.

Calderone, A. J...St. Catharines
Cameron, W. S.....Southampton
Campbell, D. M.....Kerrwood
Cannon, J. T.....Toronto
Carmichael, Miss A. I...Peterboro
Carson, R. J.....Orillia
Caven, W. R.....Toronto
Challener, R. E. S.....Toronto
Cheney, Miss M. J.....Ottawa
Clifford, C. H.....Toronto
Cohen, J. L.....Toronto
Cohen, W. A.....Toronto
Colvin, L. T.....Picton
Comisky, Miss E. H.,
Richmond Hill
Cook, Miss S. M. L.....Toronto
Cooper, J. M.....Sudbury
Cooper, W. M.....Sudbury
Copeman, E. S.....Paris
Copp, E. F. F.....Clinton
Couch, A. J.....Toronto
Coyne, D. R.....Leamington
Cray, J. F.....Guelph
Curran, J. K.....Orillia
Dales, C. W.....Drayton
Dalrymple, Miss L. A.,
Waskada, Man.
Denison, L.....Toronto
Devins, W. P.....Thornbury
Dimitroff, T.....Toronto
Douglas, H. S.....Springfield
Drummond, H. A.....Toronto
Dunton, A. S.....Paris
Dusseau, C.....Toronto
Dyer, H. F.....Allandale

Ewing, C. H.....Fergus

Farley, J. W.....Trenton
Fassel, E. G.....Toronto
Fatum, O.....Gowanstown
Faulkner, Miss I. G.....Duntroon
Fell, F. D.....Hamilton
Fetterly, Miss M. E.....Cornwall
Fisher, R. S. M.....Georgetown
Fitzgerald, G. J.....Vasey
Fleischauer, R. L.....Kitchener
Fletcher, G. M.....Toronto
Ford, J. R.....Dutton
Fortune, C. W.....Walkerton
Foster, F. H.....Toronto
Fowler, M. N.....Hamilton
Frank, F. W.....Hamilton

Gamble, J. E. D.....Brantford
Gauld, Miss F. M.....Toronto
Gemmel, J. G.....Ayr
Gilbertson, R. L.....Simcoe
Glass, S. J.....Toronto
Gleeson, H. J.....Napanee
Goldberg, L.....Toronto
Golden, I. M.....Toronto
Gordon, A.....Toronto
Gordon, G.....Toronto

Graham, J. D.....Toronto
Graham, R. W.....Toronto
Gratz, C. M.....Sunnyslope, Alta.
Gray, F. E.....Listowel
Greenberg, D. Y.....Windsor
Greenberg, J. H.....Toronto
Grieve, J. G.....Millbank
Gruber, S.....Toronto

Hall, G. C. R.....Little Britain
Hall, J. L.....Phelpston
Hames, C. F. W.....Beeton
Handelman, B.....Toronto
Hardie, G. C.....Victoria, B.C.
Hartnett, G. J.....Toronto
Hawkins, W. D.....Toronto
Haynes, J. J.....Phelpston
Henderson, J. J.....Toronto
Henderson, W. S.....Sarnia
Henry, G. G.....Markdale
Henry, L. L.....Niagara Falls
Herold, R. E.....Shakespeare
Hipwell, R. E.....Alliston
Howard, F.....Cayuga
Howell, Miss H. D.....Welland
Howse, G. O.....Aylmer
Hugill, A. E.....Toronto
Hunt, V. G.....Calgary, Alta.
Hunter, Miss D. L.,
Kuangning, Manchuria
Hynes, B. J.....St. Catharines

Ireland, G. I.....Trenton

Jessel, L.....Toronto
Johnston, Miss B. M. A.,
Port Hope
Johnston, J. A.....Kars
Johnston, J. L.....Inwood
Johnston, W. V.....Auburn
Jones, C. A. .....Kelowna, B.C.
Judson, F. M.....Lyn

Kemp, D. G.....Whitevale
Kernick, M.....Toronto
Kinkead, J. C.....Britton
Knapp, R. M.....Hamilton
Knight, E. W.....Toronto
Kohan, M.....Toronto

Large, R. G...Port Simpson, B.C.
Lavine, I.....Toronto
Levin, S. J.....Windsor
Levinson, R. M.....Kenora
Lewis, F. I.....Orangeville
Lovell, W. L.....Gorrie
Luke, W. R. F.....Toronto
Lyon, E. K.....Blyth

Maginley, H. D.,
Lyons, Antigua, B.W.I.
Maitland, C. W.....Toronto
Maloney, F. G. H.....Toronto
Manning, R. F.....Forest
Markowitz, J.....Toronto
Meehan, Miss G. B.....Lindsay
Miller, J. B.....Brantford
Miller, S.....Toronto
Miner, H. B.....Humberstone
Moffat, G. F.....Weston
Moore, W. N.....Uxbridge
Moran, H. F.....Codrington
Morrison, N. F.....Corunna
Morton, W. R.....Proton
Mowat, H. F.....Acton
Murdoch, D. J.....Markdale

McCallum, A. P.....Dutton
McClelland, Miss A. L....Toronto
McCluskey, E. R.....Alliston
McCormick, Miss H. H...Toronto
McCosh, R. A.....Kincardine
Macdonnell, R. V.,
Dalhousie Mills, Que.
MacDonnell, W. G.....Toronto
McGarvey, M. R.....Petrolia
Mackay, D. A.....Ingersoll
MacLachlan, Miss S. R....Toronto
McLaughlin, P. B.....Toronto
McLean, W. C.....Collingwood
McLeod, A. M.....Kincardine
McMaster, E. A.....Utopia
McMurray, W. J....Niagara Falls
McNabb, J. B.....Melbourne
MacNeil, R. R. .....Oakville

Nichol, K. D.....Brantford
Nicholls, S.....Toronto

O'Neill, C. N.....Clandeboye
Orechkin, L.....Windsor
Organick, M.....Toronto
Orr, Miss J. S.....Toronto
Owens, Miss M....Grenville, Que.

Page, N. A.....Brockville
Page, S. U.....Toronto
Papish, A.....Toronto
Parker, H. F.....Woodstock
Parry, G. O.....Toronto
Patry, F. L.....Toronto
Patterson, J. A.....Walkers
Pauley, G. E.....Gananoque

Perkin, F. S.....Toronto
Philp, D. P.....Toronto
Pickford, G. S.....Toronto
Polack, S. S.....Toronto
Pritchard, J. R.,
North Wakefield, Que.
Purdy, A. D. T.....Toronto

Quance, T. S.....Phoenix, B.C.

Rahner, H. R....Rochester, N.Y.
Ranta, O. O.....Toronto
Rendall, S. D.....Plattsville
Rhodes, Miss G...Bergerville, Que.
Richardson, W. F.....Maitland
Richer, Miss F.....Lachute, Que.
Riddell, J. R.....Newton
Robert, J. T.....Chatham
Robertson, Miss E. M.....Toronto
Robinson, A. J.....Toronto
Roseborough, A. S.,
Vermillion, Alta.
Ross, A. C.....Kirkfield.
Ross, S. G.....Toronto
Rotenberg, H.....Toronto
Rowen, E. H.....Guelph
Russell, D. C.....Toronto
Sackin, I. J.....Toronto
Scanlon, M. F.....Toronto
Shaver, E. O.....Toronto
Sherman, S.....Toronto
Shields, W. L.....Coboconk
Silverman, N.....Kenora
Simpson, Miss R. R. M....Toronto
Slaughter, C. B. P.....Toronto
Smith, H. M.....Chatham
Smookler, W. H.....Toronto
Snell, G. C.....Alliston
Snider, D. I.....Windsor
Spence, J. E.....Orangeville
Spratt, L. M.....Caledonia
Steinworzel, W.....Toronto
St. John, H. F.....Uxbridge
Suffel, S. C.....Smith's Falls
Summerfeldt, Miss P. F....Toronto
Swan, D. C. S.....Toronto
Switzer, W. A. W.....Science Hill

Tanner, F. W.....Newton
Taylor, O. L.....Bolton
Temes, J. H.....Toronto
Teskey, J. W.....Toronto
Torrance, A. M.....Listowel

Urquhart, J. L.....Sandford
Urquhart, R. W. I.,
Wolseley, Sask.

Veale, W. T.....Bowmanville
Volinsky, I. R.....Toronto

Waddell, R. R.....Hamilton
Walker, R. J.....Smith's Falls
Walters, W. R.....Toronto
Walton, G. R.....Forest
Wansbrough, R. M.,
Grand Valley
Watson, W. H.....Grand Valley
White, Miss K. M.,
Moose Jaw, Sask.
White, M. F.....Lindsay
Wilcox, F. A.....Toronto
Williams, J. J. P.....Toronto
Wilson, W. H.....Toronto
Wilson, W. S.....Toronto
Woodrow, W. H.....Coldwater
Woolfson, J.....Toronto

Young, Miss A. M.....Toronto
Young, Miss P. V.....Peterboro

Second Year.

Allan, F. N.....Wroxeter
Anderson, J. O.....Toronto
Andrew, O.....Oakville
Appel. S.....Toronto
Armstrong, G. W.....Uxbridge

Baker, S. E.....Toronto
Barnes, L. S.....Toronto
Barton, E. R.....Toronto
Bates, J. E.....Toronto
Bell, J. W.....Windsor
Belyea, C. C.....Kenora
Benson, J. G.....Wellington
Bicknell, E. A.....Toronto
Bird, E. S.....Gananoque
Bird, H. G.....Gananoque
Blott, R. D.....Dunnville
Bochner, T. W.....Guelph
Boley, J. P.....Huntsville
Bowie, D. J.....Midland
Bowyer, Miss M. E.....Toronto
Boyes, T. L.....Mount Hope
Bradley, B. V.....Toronto
Bryan, C. G.....Toronto
Bull, R. C.....Weston
Burrows, Miss D. J.....Harriston

Carruthers, Miss H. R.....Toronto
Carruthers, W. L.....Elmvale
Carrow, G. W.....Toronto
Carson, R. A.....Barrie
Case, G. E.....Dungannon
Cavanagh, J. L.....Owen Sound
Chase, Miss L. A...Greenwich, N.S.
Chung, Miss V.....Victoria, B.C.
Cleghorn, I. M.....Baldur, Man.
Clendenan, D. G.....Toronto
Coliton, J. H.....Toronto
Cosgrove, K. W....Asheville, N.C.
Creen, Miss F. A.....Hamilton
Crowley, L. J.....Gadshill
Cruickshank, F.....Weston
Cumming, J. F.....Turnerville

Danard, B. P.....Owen Sound
Devitt, F. B.....Toronto
Dickson, J. A.....Niagara Falls
Dodd, Miss A. I.....Toronto
Dunning, G. W.....Cumberland

Eisen, D.....Toronto
Ellis, E. G.....Sarnia
Evans, G. F.....St. Mary's

Fallon, J. T.....North Bay
Farquharson, R. F.....Agincourt
Fine, H. P.....Toronto
Fleming, E. G.....Cobourg
Forrest, J. A.....Toronto
Fowler, H. G.....Toronto
Francis, A.....Vancouver, B.C.

Gauld, W. H....Tamsui, Formosa
Gay, Mrs. St. C. R.,
New York, N.Y.
Gebirtig, T.....Toronto
Gill, D. G.....Victoria Harbor
Gordon, R. I.....Stratford
Graham, A. H.....Toronto
Grainer, M.....Toronto
Gray, W. H.....Toronto
Green, N. H.....Agincourt
Griffin, F. R.....St. Thomas
Grigg, V. S.....Bruce Mines

Hale, A. S.....Stratford
Hamlin, L. E.....Kincardine
Hanley, E. G.....Midland
Harcourt, J. A. A.....Cayuga
Harold, R. L.....Caron, Sask.
Harris, G. W.....Rodney
Harvey, M. C.....Tugaske, Sask.
Harvey, W. H.....Princeton
Heard, K. M.....St. Thomas
Hendry, J. R.....Toronto
Hetherington, H. W., St. Catharines
Hopkins, J. E.....Stoney Creek
Howe, H. F.....Palmerston
Hubbard, J. P.....Forest
Hurley, J. C.....Toronto
Hutchison, J. H.....Kinley, Sask.
Hutton, F. T.....St. Mary's

Ireland, F. A.....St. Catharines
Ives, R. E.....Colborne

Jennings, G. H.....Brantford
Junkin, F. L.....Toronto

Kemp, W. N.....Toronto
Kerr, J. B.....Chatham
Kilgour, A. J.....Cornwall
Kiteley, P.....Glen Allan
Kreiner, J. H.....Kitchener

Laing, W. C.....Brantford
Lamont, J. L.....Brussels
Lancaster, W. E. G....Kingsville
LaVenture, G. E.....Toronto
Lee, W. W.....Stoney Creek
LeFurgey, J. A.,
North Bedeque, P.E.I.
Linklater, E. W.....Wingham
Logan, H. D.....Niagara Falls
Long, E. C.....Listowel
Lowrie, R. J.....Toronto
Lyons, G. W.....Brampton

Mackersie, W. G.....Atherley
Marshall, H. S.....Mono Centre
Martin, C. A.....Milton West
Martin, G. G.....Campbellford
Merritt, E. G.....Chatham
Millar, M. E.....Highgate
Minns, J. E.....Tweed
Montgomery, S. R. P.....Toronto
Monypenny, Miss A. D....Toronto
Morgan, A. E.....Toronto
Mounce, A. R. E.....Oshawa
Myers, F. C.....St. Mary's
McClelland, J. C.....Brampton
McClure, R. B.....Toronto
McClure, W. B.....Brampton
McCormack, O. L.....Toronto
McCormick, W. K...Amherstburg
McCullough, Miss D. J....Toronto
Macdonald, Miss F., Pinette, P.E.I.
McDonald, R. H.....Lakeside
MacDonald, W. G.....Toronto
McGarry, J. R.....Niagara Falls
MacFarlane, J. A...Nokomis, Sask.

McFaul, A. M.....Collingwood
McInnis, T. J.....Regina, Sask.
McKee, W. A.....Millbank
McLellan, C.....Mount Forest
McNicce, J. A.....Toronto
McVean, H. C.....Toronto

Nesbitt, Miss E.....Toronto
Nodwell, G. R.....Grand Valley

O'Connor, M. J.....Toronto
Oke, Miss I. R.....St. Catharines
O'Leary, F. J.....Toronto
Orton, J. H.....Orillia

Palmer, W. S.....Toronto
Parnell, H. M.....St. Catharines
Perfect, F. R.....Toronto
Pollock, J.....Toronto
Pratt, R. S.....Orangeville
Prendergast, D. J.....Toronto
Price, C. K.....Toronto

Riddell, W. R.....Beaverton
Robinson, P. J.....Toronto
Running D. H.....Agincourt
Russell, Miss M. P.....Toronto
Ryan, T. J.....Toronto

Sansone, A. J.....Hamilton
Scott, J. F.....Barrie
Shaul, N.....Toronto
Shaul, S.....Toronto
Shaw, A. E.....Bluevale
Shier, L. V.....Toronto
Skinner, H. A. L.....Guelph
Simpson, R. N.....Thornhill
Sinclair, K. Y.....Meaford
Speck, J. T.....Toronto
Stanley, A. M.....Lucan
Stone, A. L.....Hawkestone
Stone, R. S.....Chatham
Sullivan, O. P.....Orillia

Taylor, R. E.....Woodstock
Temes, S.....Toronto
Templin, Miss M. I.....Fergus
Teskey, L.....Toronto
Thompson, A. A.....Penetang
Tom, Miss M. I.....Goderich
Trapp, Miss D. M.,
New Westminster, B.C.
Truscott, R. S.....Hamilton
Tucker, W. L.....St. Thomas

Underhill, F. W.....Aurora
Urquhart, C. H.....Toronto

Watson, J. A.....Snelgrove
Watson, M. C.....Bolton
Wellwood, M. B...Richmond Hill
Williams, C. V.....Hamilton
Wilson, W.....Toronto
Wrong, H. A.....Aylmer

Third Year.

Anderson, A. L...Saskatoon, Sask.
Arthur, W. S.....Toronto

Balfe, T. H.....Hamilton
Bell, E. C.....Stayner
Bird, G. L.....Brighton
Birrell, R. G.....Pinkerton
Blampin, Miss W. A.,
Westmount, Que.
Blatz, W. E.....Hamilton
Blye, R. A.....Oakville
Brady, H. A.....Toronto
Bromley, A. J.....Toronto
Brown, Miss C. A.....Toronto
Bulmer, F. M. R.....Toronto
Bulmer, H. R.....Toronto
Byers, J. W. R.....Bailieboro

Campbell, F. C.....Hepworth
Carlisle, A. M.....Peterboro
Claridge, V. O.....Grand Valley
Crehan, W. H.....Calgary, Alta.
Cryderman, W. J.....Walkerton

Dales, M. G.....Drayton
Danis, J. T.....Ottawa
Dawson, L. E.....Toronto
Deavitt, J. B.....Toronto
Dollar, G. L.....Toronto
Dow, W. W.....Toronto
Doyle, R. H.....Toronto
Duncan, W. S.....Port Credit

Eadie, G. S.....Toronto
Edmonds, W. B.....Toronto
Ellis, E. W.....Toronto

Folinsbee, Miss M. E.....Toronto
Fraser, G. M.....Toronto

Gallaugher, L. C.....Lisle
Garratt, Miss G. C.....Toronto
Glasgow, G. K.....Tupperville

Gillrie, R. B.....Drayton
Grady, Miss L. R.....Peterboro
Green, C. O. P.....Port Hope

Hamill, F. C.....Meaford
Harris, C. W.....Toronto
Harrison, Miss E. D.....Toronto
Helston, G. E.....Toronto
Henry, C. R.....Drayton
Hepburn, J.....Vancouver, B.C.
Hill, C. E.....Richmond Hill
Hobson, W. J.....Milford
Hopkins, H. E.....West Toronto

Johnson, J. H.....Kenora
Johnston, H. W.....Drayton

Kilborn, L. G.....Chengtu, China
Koster, B. M.....Toronto

Langhorn, C. R.....Hamilton
Latchford, J. K.....Toronto
Laughlin, E. R.....Point Anne
Lee, P. A.....Kingsville
Lehman, E. J.....North Bay
Lehrman, D.....Toronto
Leonard, P. J.....Toronto

Malcolmson, A. S...St. Catharines
Mallin, D.....Toronto
Markowitz, C. A.....Toronto
Martin, A. D.....St. Mary's
Martin, R. C.....Newburgh
Mayne, C. H.....Drayton
Middleton, R. H.....Caledonia
Mills, O. G.....Tottenham
Moffat, W. W.....Teeswater
Montgomery, R. C.....Harriston
Morris, N. D.....Orillia
Murray, D. W. G.....St. Pauls
Murray, J. K. P.....Toronto

McCarter, A. B.,
Dawson, Yukon Territory
McCorvie, C. R.....Chatham
McDonald, J. J. A.....Orillia
McDonald, J. G. L., Little Current
Macdonald, J. H. A.....London
McGarry, J. M.....Niagara Falls
McHugh, M. J.....Orillia
McKenzie, W. L.....Toronto
McKinnon, N. E.....Priceville
McPherson, R. J.....Puslinch
McQuitty, M.....Douglas

Newhouse, J. A.....Snelgrove
Noonan, W. T.....Mount Forest

O'Brien, J. M.....Erinsville
Oreshkin, I. W.....Windsor

Pedley, W. H.....Woodstock
Pennock, G. M.....Ottawa
Price, Miss R.....Libau, Russia

Ramsey, G. H. S.....Toronto
Rapp, B.....Toronto
Roger, I. B.....Fergus
Russell, S. M.....Owen Sound

Seymour, R. A....Vancouver, B.C.
Scott, H. R.....Maxville
Sheppard, R. J.....Queenston
Shoniker, H. J.....Toronto
Slocombe, G. W.....Port Dover
Smylie, R. T.....New Liskeard
Sneath, P. A. T.....Toronto
Speers, Miss F. E.....Allandale
Stover, I.....Chatham
Sutherland, J. L...St. Catharines
Switzer, J. W.....St. Mary's

Thomas, M. E.....Toronto
Thomson, Miss A. E.,
Lowerre Summit, Yonkers, N.Y.
Tice, J. W.....Oshawa
Tipping, C. E.....Toronto
Trackman, J. A.....Toronto
Turnbull, A.....Canfield

Van Wart, A. F...Fredericton, N.B.

Walden, A. P.....Guelph
Walters, A. G.....Southend
Watson, C. H.....Bolton
Weir, N. A.....Toronto
Weissgerber, L. A.,
Nielsen, Mont., U.S.A.
Wilkinson, F. W.....Toronto
Williams, M. M.....Beeton
Williamson, Miss A. B...Beaverton
Wladowsky, Miss M.....Toronto
Woodhouse, W. W., Niagara Falls

Zarnke, E. E.....Desboro
Zwick, F. F.....Stirling

Fourth Year.

Anderson, J. P.....Wilsonville
Armstrong, H. G.....Brussels
Ayer, Mrs. I. T.....Okotoks, Alta.

Baker, H. E.....Elmsvale
Bartley, Miss K. M.....Toronto
Beamish, W. F...Coronation, Alta.
Bell, G. L.....Oro Station
Bicknell, N. J.....Toronto
Brown, M. J.....Toronto
Burns, B. R.....Toronto

Cameron, G. C.....Toronto
Clouse, E. B.....Toronto
Cross, W. D. S.....Gravenhurst
Curtin, Miss A. A.....Kemptville

Dafoe, W. A.....Madoc
Dickson, C. S.....Niagara Falls
Dickson, W. B.....Niagara Falls
Docherty, J. F.....Seaforth

Eagles, G. H.....Owen Sound
Ellis, T. A.....Niagara Falls

Ferguson, H.....Uxbridge
Feader, F.....Toronto
Ferrier, C. W. G.....Mimico

Gillespie, W. F....Edmonton, Alta.
Glassberg-Volpe, A.....Toronto

Hague, O. G.....Toronto
Hall, R. C.....Calgary, Alta.
Hendry, H. W.....Toronto
Henry, W. E.....Markdale
Hogarth, W. P.....Fort William
Huether, A. L.....Guelph

Irvine, P. L.....Drayton

Johnston, W. E.....Toronto
Jordan, G. A.....Toronto

Kelly, Miss F. A.....Sudbury
Kinsman, J. D.....Fonthill

Lanspeary, W. D.....Windsor
Little, H. S.....Ridgetown
Little, W. C.....Barrie
Lloyd, F. P.....Saskatoon, Sask.
Logan, F. A.....Niagara Falls
Lowrie, H. A.....Toronto

Masson, D. M.....Toronto
Miller, W. H.....Barrie

McClintock, J. J.....Lisle
McClure, Miss J. R.....Toronto
McConney, Mrs. F. S.....Toronto
McCormack, W. G.....Toronto
McDonald, G. O.....Lakeside
McGillivray, J. E., Weyburn, Sask.
McIntosh, P. D.....Toronto
McKay, A. L.....Toronto
McLean, A. L.....Toronto

Nelson, E. J.....Guelph
Nunn, J. E.....Landis, Sask.

Palmer, H. I.....Brantford
Palmer, R. E.....Toronto
Pickett, P. E....Twin Falls, Idaho
Powell, W. G.....Stratford
Puffer, D. S.....Toronto

Quinn, H. J.....Colborne

Reid, J. S.....Tillsonburg
Rittinger, F.....Berlin
Robbins, F. C.....Toronto
Rush, J. W.....Toronto
Russell, N. H.....Toronto

Sauder, P.....Markham
Shannon, E. H.....Toronto
Shaver, R. C.....Toronto
Shaw, Miss V. A.....Windsor
Stewart, A. E.,
Mount Hamilton P.O.
Stuart, Miss M. M., Williamstown
Styner, W. B.....Southampton

Urquhart, G. T.....Owen Sound

Verity, L. E.....Brantford

Warner, W. P.....St. Thomas
Wheler, E. G.....Toronto
Willis, H. H.....Newmarket
Wilson, D. B.....Toronto
Wilson, D. G.....Gananoque
Woods, W. E.....Fergus

Fifth Year.

Alexander, W. P. J.....Madoc
Anderson, Miss A. J.....Toronto
Avison, D. B.....Smith's Falls

Battley, J. C. S.....Sarnia
Bell, F. J.....Toronto
Bell, Miss H. Y.....London
Brayley, L. G.....Toronto
Bunt, M. H.....Collingwood

Carleton, E. A.....Roslin
Carter, T. P.....Schomberg
Connell, W. M.....Lucknow
Cornwall, W. D.....Toronto
Cowan, Miss M. L.....Seaforth
Cruikshank, H. C.....Hamilton

Devins, C. J.....Thornbury
Dobson, H. V.....Fordwich
Dowler, V. B.....Fort William

Esser, D.....Toronto
Evelyn, S. J.....Jamaica, B.W.I.

Feick, T. B.....New Hamburg
Forge, F. W.....Moose Jaw, Sask.

Found, N.....Bowmanville
Free, F. de F.....Campbellford

Graef, F. W.....Clifford
Graham, N. F. W.....Toronto

Halliday, D.....Belgrave
Hayes, J. V.....Peterboro
Hewson, R. D.....Red Deer, Alta.
Hill, J. C.....Orillia

Joyce, R. E.....Bronte

Kennedy, Miss C. I. M...Wingham
Kerr, Miss M. G.....Toronto
Kirkup, N. N.....Barrie
Kiteley, Miss E. L.....Bradford

Lane, H. B.....Toronto
Lipsett, H.....Toronto
Locke, F. D.....Edmonton, Alta.
Logie, W. D.....Sarnia

Marvin, Miss B. V.....Belleville
Miller, J. R.....Iroquois
Muir, D.....St. Mary's
Muir, Miss H. M.....Toronto
Mulligan, C. V.....Omemee

McClinton, W. S.....Midland
McGavin, Miss A. P.,
Glasgow, Scotland
McLeod, N. D.....Hawkestone

Neelands, Miss L. G.....Forest

Paterson, R. S.....Blantyre
Pequegnat, L. A.....Kitchener

Spratt, W. L.....Ottawa
Stoll, E. L.....Niagara Falls
Stover, C. B.....Toronto
Tiffin, M. E.....Vancouver, B.C.

Young, C. O.....Toronto

DENTAL STUDENTS.

1918-1919

Abar, H. S.....Campbellford
Adams, H.....Peterborough
Adams, R. B.....Toronto
Agnew, R. G.....Toronto
Akins, S. C.....Arnprior
Anderson, H. R.....Toronto
Armstrong, W. J.....Ottawa
Asselstine, C. W.....Toronto

Barber, Miss I. M.....Ottawa
Barnes, L. V.....Stornoway, Sask.
Barnes, A. F.....London
Beattie, N.....Arnprior
Beckett, R. J.....Brockville
Best, J. H.....Winnipeg, Man.
Black, W. B.....Welland
Bradley, A. O.....Gananoque
Broadworth, R. T.....Madoc
Bryans, H. S.....Toronto
Butler, J. A.....Pembroke

Calbeck, A. G.....Dunnville
Cameron, A. A.....Lucknow
Campbell, E. T.....Rockland
Churchill, S. H.....Toronto
Clark, W. D.....Toronto
Corbett, F. M....Winnipeg, Man.
Coughlin, L. M.....Auten Mills
Coyne, J. T.....Toronto

Dales, A. F.....Drayton
Daly, A.....Iona, P.E.I.
Davidson, B.....Toronto
Derbyshire, A. O.....Westport
Dinniwell, R. E.....Wiarton
Dobbs, E. R.....Lansdowne
Dodds, L. R.....Perth
Donahy, J. A.....Mount Forest
Douglas, N. S.....Woodstock
Duff, J. C.....Inverary

Faulkner, W. J.....Listowel
Foster, B. D.....Harrow
Freitag, H. A.....Eganville

Garfat, E.....Woodstock
Garvey, L. R.....Goderich
Gott, A.....Toronto
Graham, F. M.....Fenelon Falls
Graham, J. M.,
Stoney Mountain, Man.
Granovsky, T. L...Winnipeg, Man.

Haines, C. A.....Meaford
Halladay, G. B.....Athens
Harper, H.....Toronto
Hilliker, A. E.....Galt
Hoar, H. B., Hopewell Cape, N.B.
Hogan, M. J.....Toronto
Holmes, A. S.....Toronto
Howson, G. W.....Wingham
Hunter, W. H.....Barrie
Hyde, R. G.....Dundas

Irwin, J. E.....Toronto

James, C. N.....Carp
Jewitt, G. G.....Wyoming
Johnston, G.....Strathroy
Johnston, R. E.....Toronto
Jones, A. N.....Goderich

Kerr, A. R.....Toronto
Killoran, M. E.....Peterboro
King, J. A.....Elmira
Kinsman, Miss M. A.....Sarnia

Letellier, L. A.....Peterboro
Lumb, R. J. C.....Bancroft

Macdonald, A. B.....Toronto
Marshall, E.....Vars
Marshall, T. R.....Brampton
Martin, L. M.....Ottawa
Millen, G. J.....Toronto
Mills, R. J.....Jasper
Moulson, H.....Saskatoon, Sask.

McAllister, Miss M. R.,
New Westminster, B.C.
McClure, F. D.....Norval
McCool, L. H.....North Bay
McCutcheon, R. C.....Honeywood
McFeetors, H. E.....Copper Cliff
McGowan, J. C.....Hamilton
McIntosh, D. D.....Greenfield
McKee, G. G.....Southampton
McLean, W. F.....Brampton
McLeod, J. M.....Toronto
McLister, J. C.....Toronto
MacMillan, E. A.....Maxville
McMullen, J. E.....Pembroke
McQueen, R. A.....Tillsonburg

Olson, J. O.....Winnipeg, Man.

Partlo, J. M.....Ingersoll
Paul, G. S.....Toronto
Pratt, M. L.....Manotick

Reid, R. G.....Tillsonburg
Robb, W. J.....Ripley
Roberts, J. F.....Toronto
Robinson, R. W. H.....Toronto
Robinson, T. A.....Toronto
Rochon, R.....Ottawa
Rogers, J. L..Summerside, P.E.I.
Rowles, U. E.....Calgary, Alta.
Rowsome, C. M.....Athens
Ryan, L. N.....Bracebridge

Smart, C. C.....Renfrew
Snell, G. H.....Chatham
Sockett, R. J.....Toronto
Spellman, J. A.....Hastings
Stewart, C. G.....Beamsville

Taylor, C. J.....Peterboro
Teiffel, G. W.....Victoria, B.C.

Wagner, G. W.....Renfrew
Warnica, J. F.....Allandale
Warnicker, L. B....Victoria, B.C.
Watson, C. H. D.....Port Hope
Wessels, W. E.....Winnipeg, Man.
Whyte, J. P.....Eganville
Wilkey, W. J.....London
Wilson, C. B.....Toronto
Wilson, P. R.....North Bay
Windrim, H. L.....London
Woods, R. G.....Watford

Zimmerman, J....Winnipeg, Man.

Summary.

First Year Students	257
Second Year Students	182
Third Year Students	124
Fourth Year Students	81
Fifth Year Students	54
Dental Students	122
Occasionals	8
	828

The University of Toronto issues the following official publications, any one of which may be had on application to the Registrar of the University or to the Secretary of the particular Faculty respecting which information is sought:

Curriculum for Junior Matriculation.

Calendar of the Faculty of Arts.

Calendar of the Faculty of Medicine.

Calendar of the Faculty of Applied Science and Engineering.

Calendar of the Faculty of Education.

Calendar of the Faculty of Forestry.

Calendar of the Faculty of Music.

Miscellaneous Curricula.

Calendar of the Department of Social Service.

Announcement of the Board of Graduate Studies.

Bulletin of Information respecting Graduate Facilities